





HILLSBOROUGH AREA REGIONAL









TECO LINE STREETCAR SYSTEM









MISSION STATEMENT

The mission of the Hillsborough Area Regional Transit Authority (HART) is to provide public transportation services, which are safe, dependable, and cost effective, thereby enhancing the quality of life in our community.







Service carries passengers to and from numerous businesses, major hotels and entertainment venues throughout the Ybor and Channelside districts. The line also provides service to the Tampa Convention Center, Tampa Aquarium, Port of Tampa Cruise Ships, and the St. Pete Times Forum – home of the Tampa Bay Lightning.







- Phase I 2.3 miles of service began 10-19-02.
- 20th Street and 8th Avenue in Ybor City to Ice Palace Drive and Franklin Street in downtown Tampa.
- Phase II, currently in the planning stages, will extend service an additional 1/3 mile into the downtown central business district.



- Average Annual Ridership: 419,878
- Average Monthly Ridership: 34,989
- 63% of Ridership is Tourism
- 61% of Ridership occurs on Weekends
- Current statistics show an increase of approximately 40,000 for fiscal year 07.
- Several key special events generate increased ridership.



	2007	2006	2005	2004	2003	Total	Average
4 th of July	4376	4637	3081	4343	4750	21,187	4237.4
Knight Parade	6302	4037	7006	8229	8512	34,086	6817.2
New Years Eve		9508	10164	9037	6078	34,787	8696.75
Octoberfest		10641	6084	7008	5025	28,758	7189.5
Guavaween		5019	4604	5117	4985	19,725	4931.25



Streetcars can also be chartered for special occasions such as conventions, weddings, parties.









- HART owns ten historic replica streetcars: nine Birney cars and one breezer-style car all purchased from the Gomaco Trolley Company in Ida Grove, Iowa.
- In addition to the ten Gomaco cars, a restored standard single truck Birney Safety Car owned by the Tampa & Ybor City Street Railway Society is also housed at the Ybor Station facility.



Ten Station Stops

Base Service	Headway
■ Monday (11:00 am – 10:00 pm)	15 minutes
■ Tuesday (11:00 am – 10:00 pm)	15 minutes
Wednesday (11:00 am – 10:00 pm)	15 minutes
■ Thursday (11:00 am – 11:00 pm)	15 minutes
■ Friday (11:00 am – 1:00 am)	15 minutes
■ Friday (1:00 am – 2:00 am)	30 minutes
Saturday (9:00 am – 11:00 am)	30 minutes
■ Saturday (11:00 am – 1:00 am)	15 minutes
■ Saturday (1:00 am – 2:00 am)	30 minutes
■ Sunday (12:00 pm – 8:00 pm)	15 minutes



Construction: Steel Uni-body

Length: 46 feet

Width:
8 feet 6 inches

Empty Weight: 48,000 pounds

Seated Passenger Load: 44 passengers

Full Passenger Load: 84 passengers

Maximum Speed: 30 MPH



- Conventional electric rail (600V DC OCS).
- Single-track, bi-directional system with six sidings (passing tracks) to permit the passing of streetcars traveling in opposite directions.
- Streetcars operate by line of sight with one direction having right over the other.
- Streetcars traveling in the opposite direction must enter designated sidings and await the arrival of the streetcar traveling in the opposite direction.



Line of sight operation





The Rail Barn – Ybor Station – houses Maintenance, Operations.

Executive offices are currently being constructed on the third floor.









■ Two 1 ½ megawatt substations





A key feature of the alignment is an at-grade crossing (Ybor Interlocking) of the CSX Railroad's Tampa Terminal Subdivision located near the old alignment of 13th Street between 4th and 5th Avenues in Ybor City.







CSX personnel conduct training on interlocking to student motormen.





- The streetcar tracks do not share vehicle travel lanes, and are separated from street traffic by low barriers and landscaping. At signalized intersections, a separate signal (Opticom) is linked to the traffic control system.
- You would think that the possibility of accident involvement would be limited to driveways and intersections.



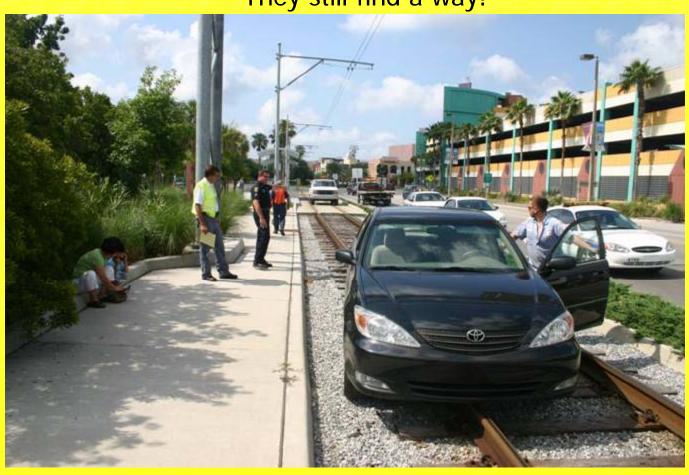
Low barriers - Signage - Signalization - Traffic Control







They still find a way!



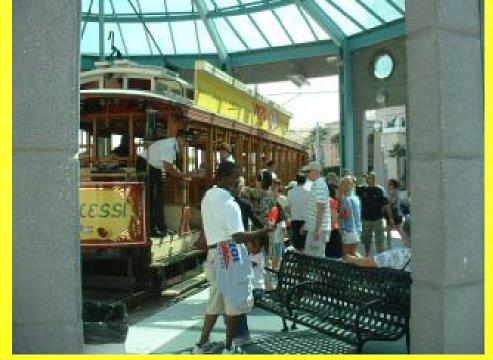


"REGULATORY COMPLIANCE"

WHY?

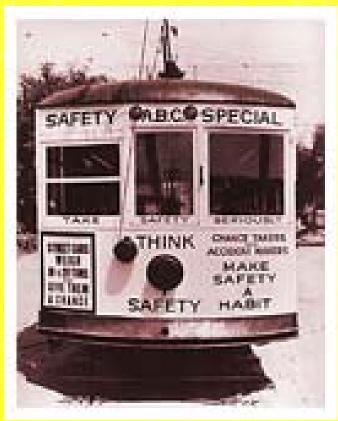


To provide our employees, customers, and the general public with a safe and secure environment, free from hazards.





- 49 CFR Part 659
- Federal Transit Administration (FTA), Department of Transportation
- Rules Governing State Safety
 Oversight of Rail Fixed Guideway
 Transportation Systems



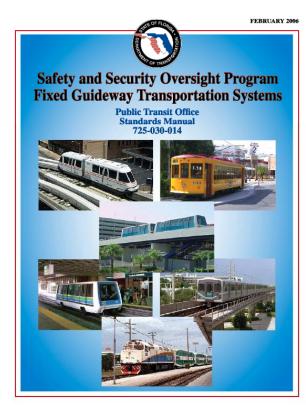


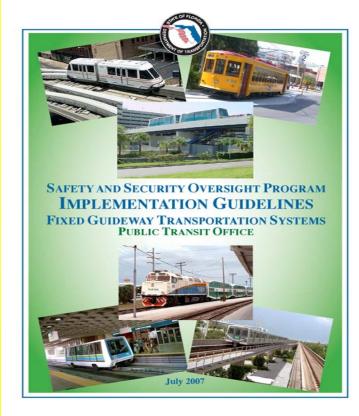
- Florida Department of Transportation (FDOT) has been designated as the State Safety Oversight Agency for the State of Florida.
- TECO reports to HART, HART reports to FDOT, FDOT reports to FTA.





Florida Department of Transportation (FDOT) provides Florida Rail Properties:



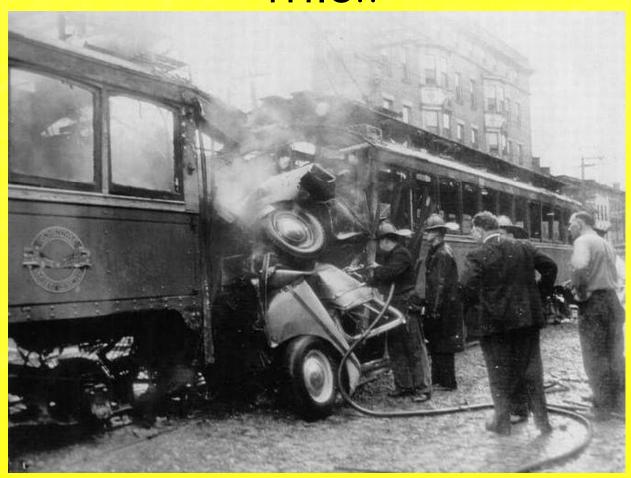




EXTERNAL AND INTERNAL CONTROLS AND PROCESSES TO PREVENT ACCIDENTS AND HAZARDOUS CONDITIONS SUCH AS.....



THIS..





AND THIS ...



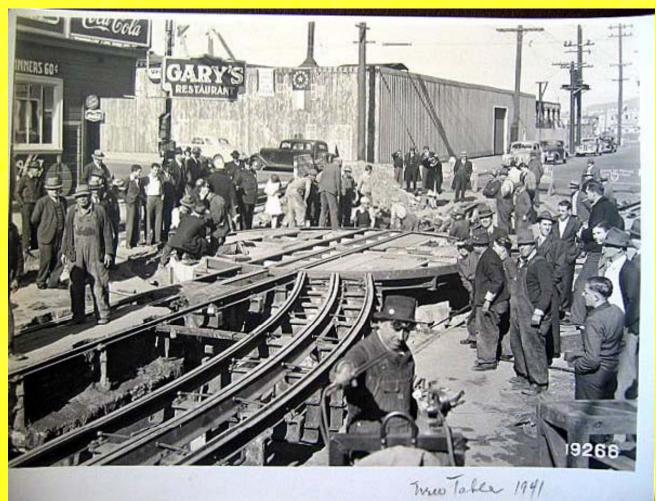


AND THIS...



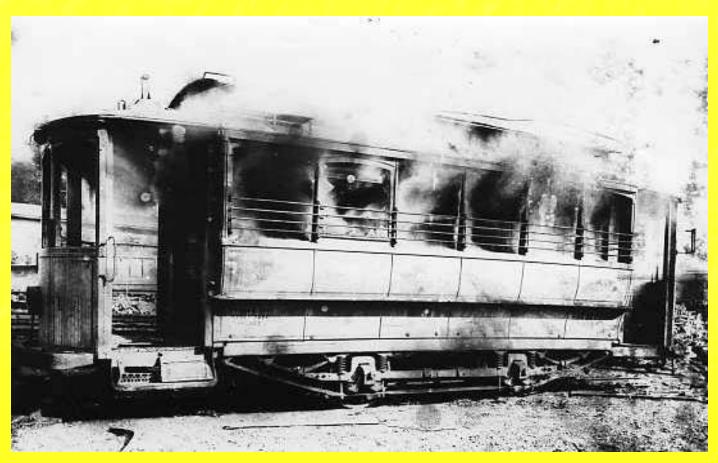


AND THIS...





THIS...





AND THIS!





\$ 659.7 Withholding of funds for noncompliance. \$







- (a) The Administrator of the FTA may withhold up to five percent of the amount required to be distributed to any state or affected urbanized area in such state under FTA's formula program for urbanized areas, if:
- (1) The state in the previous fiscal year has not met the requirements of this part; and
- (2) The Administrator determines that the state is not making adequate efforts to comply with this part.
- (b) The Administrator may agree to restore withheld formula funds, if compliance is achieved within two years (See 49 U.S.C. 5330).



What are the elements required to keep the system safe and secure?





The goal during acquisition/start up is to ensure safety and security have been designed into The system and that all specified safety and security features have been certified: Planning, Design, Construction, Testing.





The Joint Task Force on Safety and Security Certification, established between the Federal Transit Administration (FTA) and the American Public Transportation Association (APTA), prepared a Handbook to support the efforts of the transit industry to achieve continuous improvement in safety and security performance. The Handbook provides a guide for establishing a certification program to address safety and security that:

- Identifies the key activities
- Incorporates safety and security more fully into transit projects
- Highlights resources necessary to develop and implement a certification program for safety and security
- Provides tools and sample forms to promote implementation of the safety and security certification process

http://www.transit-safety.volpe.dot.gov/Publications/safety/SafetyCertification/html/ssc.htm#20



- **Step 1: Identify Certifiable Elements**
- Step 2: Develop Safety and Security Design Criteria
- Step 3: Develop and Complete Design Criteria Conformance Checklist
- **Step 4: Perform Construction Specification Conformance**
- Step 5: Identify Additional Safety and Security Test Requirements
- Step 6: Perform Testing and Validation in Support of the SSC Program
- Step 7: Manage Integrated Tests for the SSC Program
- Step 8: Manage "Open Items" in the SSC Program
- **Step 9: Verify Operational Readiness**
- Step 10: Conduct Final Determination of Project Readiness and Issue Safety and Security Certification



Step 1: Identify Certifiable Elements

Safety certifiable elements include all project elements that can affect the safety and security of transit agency passengers, employees, contractors, emergency responders, or the general public.





Step 2: Develop Safety and Security Design Criteria

Safety and security are addressed during project design through identification of safety and security design criteria for each certifiable element.





Step 3: Develop and Complete Design Criteria Conformance Checklist

This process involves the creation of a checklist for each certifiable element to record requirements generated from safety and security design criteria. These checklists – referred to as Design Criteria Conformance Checklists – provide a format to verify compliance with identified safety and security requirements.





De	esign Verific	cation for Sa	afety and Se				ms
Eleme	nt:		Page	(of		
Sub-El	lement:		Prepared b)y:			
Revision	on:		Page of Prepared by: Date:				
Contra	ict Number:						
Status Mea			ans of Verification - Design				
C = Cc	ompliance	S = Sub	mittal				
	oncompliance	$\mathbf{D} = \mathrm{Des}$	ign				
	rtial Compliance						
Item No.	Description	Safety Design Criteria	Design Cross References	Design Verification		Means of Verification	
				Status	Initial	Date	
DES	IGN VERIFIC	CATION APP	PROVAL				
Name		Signature		Date			
Organi	ization						
NOT	ES/EXCEPT	IONS:					



Step 4: Perform Construction Specification Conformance

The construction specification conformance process is used to verify that the as-built facilities and systems incorporate the safety and security-related requirements identified in the specifications and other contract documents, including approved changes since the final design.





Step 5: Identify Additional Safety and Security Test Requirements

Integrated testing verifies the functional interface between different equipment or systems. Both contractor and integrated testing are subject to certification.





REQUIRED SAFETY AND SECURITY TEST DESCRIPTION SHEET						
Test Name:						
Test Procedu	re:					
Contracts Inv	olved:					
Test Objective	es:	-0	1	6		
Test Descripti	on:					
Test Prerequi	sites:					
Resources Required	Personnel:					
Required	Equipment:					
	Facilities:					
Time Require	d:					



STEP 6: Perform Testing and Validation in Support of the SSC Program

Appropriate documentation supporting verification of the safety and security requirements should be submitted or available for review by the project team with its location clearly identified.





Streetcar Certifiable Items List

Vehicle # 428

<u>Item</u>	Procedure	Results
Propulsion System	Top speed from Start to 150' (measured in time and mph)	18 seconds – 21 mph
Friction Braking	Distance and Time from Top Speed in 150° to complete stop	7 seconds – 112 feet
Hand Brake	Operation of hand brake	Holds car at one notch acceleration
Doors	Narmal operation, door override and emergency release . Sensitive edge operation	All working satisfactory
Controller Interlock	Easure controller is disabled when door is open	OK
Auxillary Electric	Operation of Renes operated by battery power (i.e. emergency lights, doors)	All working order

Compressed Air System	Air Build-up time, compressor "cut in" and "cut out" PSf, air gauge operation	3 minutes build-up ti 55psi cut-in 70psi cut-out
Interior Lighting	Operation of all lighting	OK
Exterior Lighting	Operation of all installed lighting	OK
Communications	Operation of radios, whiatler, beils	OK
Safety	Fire Extinguisher, Opticom system	OK

Signature: SM Caccoll
HARTline Representative

GOMACO Representative

Duto 9/29/02

Date: 9/29/02



Step 7: Manage Integrated Tests for the SSC Program

Integrated tests are any tests or series of tests, which require the interface of more than one element and are designed to verify the integration and compatibility between system elements.





Step 8: Manage "Open Items" in the SSC Program

As the certification proceeds, open items will be identified and will need to be managed. During pre-revenue testing and start-up activities, requests for work-arounds and temporary permits of occupancy and/or notices will be made. The SSC Program must have the tools available to ensure that the safety and security designed into the system are realized in the delivered, tested, and validated project.





STATUS REPORT FOR CLOSE-OUT						
Item No.	System Element:	Sub-system:	Reference Information:	Date:		
Description of Condition:		Required Controls:				
Status:		Respor	Approved:			
		Name:	Department:			



Step 9: Verify Operational Readiness

Operational readiness includes activities to verify the following:

- Operations, maintenance, and emergency rules, procedures, and plans have been developed, reviewed, and implemented
- Manuals have been developed, reviewed, approved
- Safety/security-related training for operations and maintenance personnel has been developed, performed, and successfully completed by all personnel as required
- Emergency training has been developed, performed, and successfully completed by all personnel as required, including public safety personnel (if appropriate)
- Emergency drills and training have been conducted with outside agencies
- In addition, during this period, the project team should conduct a final "walk-through inspection" of completed facilities and systems.







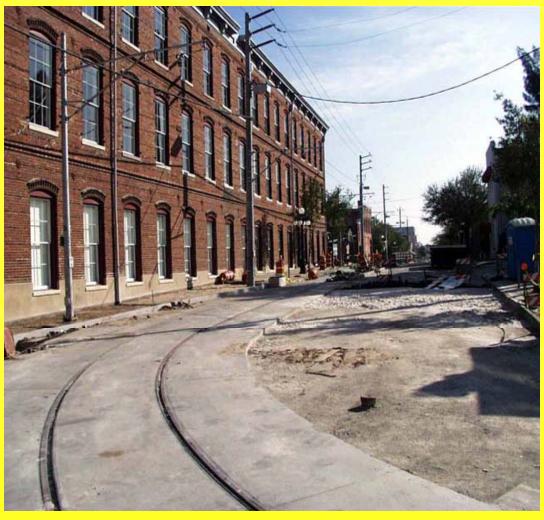
STEP 10: Conduct Final Determination of Project Readiness and Issue Safety and Security Certification

Before revenue service begins, prior to completing its formal certification, the project team and supporting committees should review all safety and security certification documentation to determine if any outstanding items remain.

Approval of certifiable elements occurs when work has been completed in conformance with criteria and hazards have been reduced to an acceptable level.

Any remaining work-arounds affecting a certifiable element require a hazard management plan to be initiated that will analyze the hazard and control the risk to an acceptable level for a defined period of time.







Operations Goal:

To ensure that safety and security are maintained in transit operations and that all system elements are performing to safety specifications and/or established procedures.





REQUIRED:

- Approved SSPP and SSEPP 21 safety and 14 security elements
- Written procedure for conducting annual self-audits
- Written procedure for conducting accident and unacceptable hazardous condition investigation
- Procedure for documenting corrective action
- Process for communicating with Oversight Agency
- Annual updates recertification of SSPP and SSEPP signed by CEO



1.1 System Safety Program Plan (SSPP)

- 1.1.1 Applicable FGTS
 - Section 1.1 applies to all FTA and Non-FTA funded FGTS.
- 1.1.2 Minimum Requirements
- Each FGTS shall develop, adopt, implement, and maintain a written SSPP that complies with this SSO Manual and FTA's SSO regulations in 49 CFR 659.17 and 49 CFR
- 659.19. The adopted SSPP shall include at a minimum:
- (1) A policy statement signed by the Chief Executive of the FGTS that endorses the safety program and describes the authority that
 establishes the SSPP.
- (2) A clear definition of the goals and objectives for the safety program and stated management responsibilities to ensure that they are achieved.
- (3) An overview of the management structure of the FGTS, including: (i) an organization chart; (ii) a description of how the safety function is integrated into the rest of the FGTS organization; and (iii) clear identification of the lines of authority used by the FGTS to manage safety issues.
- (4) The process used to control changes to the SSPP, including: (i) specifying and documenting an annual assessment of whether the SSPP should be updated; and (ii) required coordination with the Department, and timeframes for submission, revision and approval.
- (5) A description of the specific activities required to implement the system safety program, including: (i) tasks to be performed by FGTS safety function, by position and management accountability, specified in matrices and/or narrative format; and (ii) safety-related tasks to be performed by other FGTS departments, by position and management accountability, specified in matrices and/or narrative format.
- (6) A description of the process used by the FGTS to implement its hazard management program, including activities for: (i) hazard identification; (ii) hazard investigation, evaluation, and analysis; (iii) hazard control and elimination; (iv) hazard tracking; and (v) requirements for on-going reporting to the Department relating to hazard management activities and status.
- (7) A description of the process used by the FGTS to ensure that safety concerns are addressed in modifications to existing systems, vehicles, and equipment, which do not require formal safety certification but which may have safety impacts.
- (8) A description of the safety certification process required by the FGTS to ensure that safety concerns and hazards are adequately addressed prior to the initiation of passenger operations for any new starts project and subsequent major projects to extend, rehabilitate, or modify an existing system, or to replace vehicles and equipment.
- (9) A description of the process used to collect, maintain, analyze, and distribute safety data, to ensure that the safety function within the FGTS receives the necessary information to support implementation of the system safety program.
- (10) A description of the process used by the FGTS to perform incident notification, investigation and reporting, including: (i) notification thresholds for internal and external organizations; (ii) investigation process and references to procedures; (iii) the process used to develop, implement and track corrective actions that address investigation findings; (iv) reporting to internal and external organizations; and (v) coordination with the Department.



- (11) A description of the process used by the FGTS to develop an approved, coordinated schedule for emergency management program activities, which include: (i) meetings with external agencies; (ii) emergency planning responsibilities and requirements; (iii) process used to evaluate emergency preparedness, such as annual emergency field exercises; (iv) after action reports and implementation of findings; (v) revision and distribution of emergency response procedures; (vi) familiarization training for public safety organizations; and (vii) employee training.
- (12) A description of the process used by the FGTS to ensure that planned and scheduled internal safety reviews are performed to evaluate compliance with the SSPP, including: (i) identification of departments and functions subject to review;
 - (ii) responsibility for scheduling reviews; (iii) process for conducting reviews, including the development of checklists and procedures and issuing of findings;
 - (iv) review of reporting requirements; (v) tracking the status of implemented recommendations; and (vi) coordination with the Department.
 - (13) A description of the process used by the FGTS to develop, maintain, and ensure compliance with rules and procedures having a safety impact, including: (i) identification of operating and maintenance rules and procedures subject to review; (ii) techniques used to assess the implementation of operating and maintenance rules and procedures by employees, such as performance testing; (iii) techniques used to assess the effectiveness of supervision relating to the implementation of operating and maintenance rules; and (iv) process for documenting results and incorporating them into the hazard management program.
- (14) A description of the process used for facilities and equipment safety inspections, including: (i) identification of facilities and equipment subject to regular safety-related inspection and testing; (ii) techniques used to conduct inspections and testing; (iii) inspection schedules and procedures; and (iv) description of how results are entered into the hazard management process.
- (15) A description of the maintenance audits and inspections program including identification of the affected facilities and equipment, maintenance cycles, documentation required, and the process for integrating identified problems into the hazard management process.
- (16) A description of the training and certification program for employees and contractors, including: (i) categories of safety-related work requiring training and certification; (ii) a description of the training and certification program for employees and contractors in safety-related positions; (iii) process used to maintain and access employee and contractor training records; and (iv) process used to assess compliance with training and certification requirements.
- (17) A description of the configuration management control process, including: (i) the authority to make configuration changes; (ii) process for making changes; and
 - (iii) assurances necessary for formally notifying all involved departments.
- (18) A description of the safety program for employees and contractors that incorporates the applicable local, state, and federal requirements, including: (i) safety requirements that employees and contractors must follow when working on, or in close proximity to, FGTS controlled property; and (ii) processes for ensuring the employees and contractors know and follow the requirements.
 - (19) A description of the hazardous materials program, including the process used to ensure knowledge of and compliance with program requirements.
- (20) A description of the drug and alcohol program and the process used to ensure knowledge of and compliance with program requirements.
- (21) A description of the measures, controls, and assurances in place to ensure that safety principles, requirements, and representatives are included in the FGTS procurement process.



2.1 Security Program Plans

2.1.1 Applicable FGTS

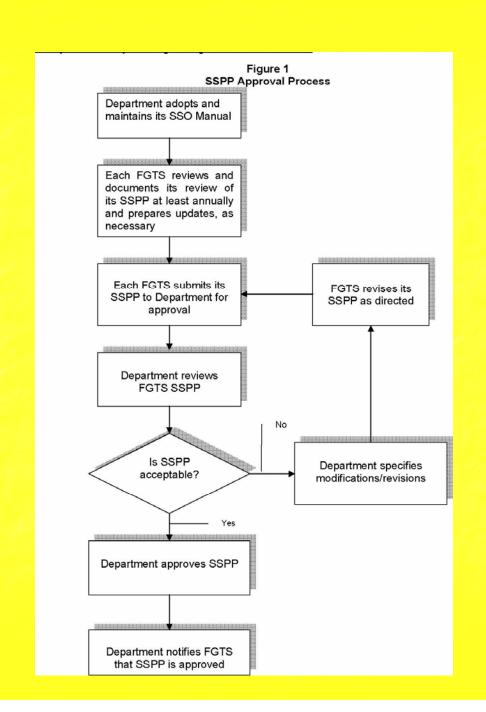
Chapter 2 applies to all FTA funded FGTS. Non-FTA funded FGTS are exempt from the requirements of this Chapter.

2.1.2 Minimum Requirements

Each FGTS shall develop, adopt, implement, and maintain a written Security Program Plan (SPP) that complies with this SSO Manual and FTA's SSO regulations in 49 CFR

659.21 and 49 CFR 659.23. The adopted SPP shall include at a minimum:

- (1) A policy statement signed by the Chief Executive of the FGTS that endorses the safety program and describes the authority that establishes the SPP.
 - (2) A clear definition of the goals and objectives for the security program and stated management responsibilities to ensure that they are achieved.
- (3) An overview of the management structure of the FGTS, including: (i) an organization chart; (ii) a description of how the security function is integrated into the rest of the FGTS organization; and (iii) clear identification of the lines of authority used by the FGTS to manage security issues.
- (4) The process used to control changes to the SPP, including: (i) specifying and documenting an annual assessment of whether the SPP should be updated; and (ii) required coordination with the Department, and timeframes for submission, revision and approval.
 - (5) A description of the specific activities required to implement the system security program, including: (i) tasks to be performed by FGTS security function, by position and management accountability, specified in matrices and/or narrative format; (ii) security-related tasks to be performed by other FGTS departments, by position and management accountability, specified in matrices and/or narrative format; and (iii) security-related tasks to be performed by other law enforcement agencies, if applicable.
- (6) A description of the process used by the FGTS to manage threats and vulnerabilities during operations and for major projects, extensions, new vehicles and equipment, including integration with the safety certification process.
 - (7) A description of the process used by the FGTS to ensure that security concerns are addressed in modifications to existing systems, vehicles, and equipment, which do not require formal safety certification but which may have security impacts.
 - (8) A description of the safety certification process required by the FGTS to ensure that security concerns are adequately addressed prior to the initiation of passenger operations for any new starts project and subsequent major projects to extend, rehabilitate, or modify an existing system, or to replace vehicles and equipment.
- (9) A description of the process used to collect, maintain, analyze, and distribute security data, to ensure that the security function within the FGTS receives the necessary information to support implementation of the system security program.
- (10) A description of the process used by the FGTS to perform security event/incident notification, investigation and reporting, including: (i) notification thresholds for internal and external organizations; (ii) investigation process and references to procedures; (iii) the process used to develop, implement and track corrective actions that address investigation findings; (iv) reporting to internal and external organizations; and (v) coordination with the Department.
- (11) A description of the process used by the FGTS to ensure that planned and scheduled internal security reviews are performed to evaluate compliance with the SPP, including: (i) identification of departments and functions subject to review; (ii) responsibility for scheduling reviews; (iii) process for conducting reviews, including the development of checklists and procedures and issuing of findings; (iv) review of reporting requirements; (v) tracking the status of implemented recommendations; and (vi) coordination with the Department.
 - (12) A description of the security training and certification program for employees and contractors, including: (i) categories of security-related work requiring training and certification; (ii) a description of the training and certification program for employees and contractors in security-related positions; (iii) process used to maintain and access employee and contractor training records; and (iv) process used to assess compliance with training and certification requirements.
- (13) A description of the controls in place that address the personal security of passengers and employees.
- (14) A description of the FGTS process for making available its system security plan and accompanying procedures to the Department for review and approval.



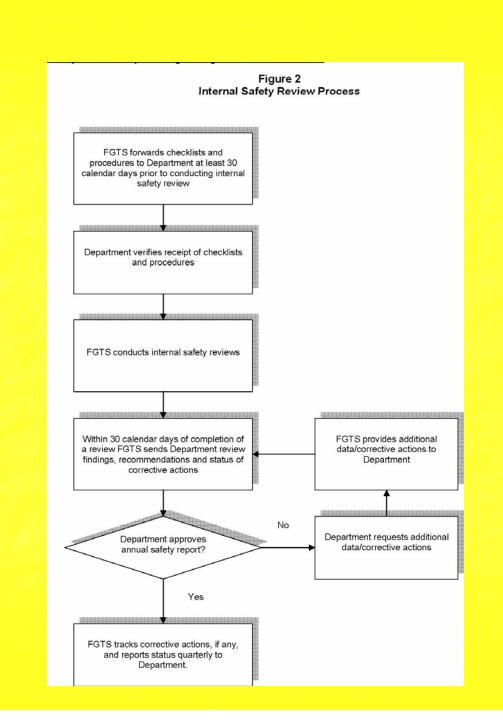
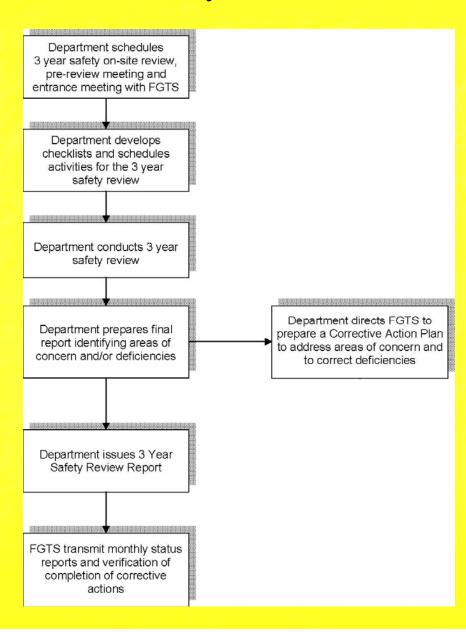


Figure 3

3 Year Safety Review Process





During all Operations and Maintenance daily processes, all personnel must be constantly observant of any unsafe hazardous conditions, accidents, incidents, and must report these in writing so that they can be evaluated by responsible personnel.





To date, the TECOLine Streetcar System has had very few reportable unacceptable hazardous conditions.





What we do experience are at-grade collisions/accidents with POV's.





The FGTS shall notify the Department within 2 hours of any safety or security event involving a rail transit vehicle or taking place on FGTS controlled property where one or more of the following occurs:

- (a) A fatality at the scene; or where an individual is confirmed dead within 30 calendar days of a transit-related incident;
- (b) Injuries requiring immediate medical attention away from the scene for two or more individuals;
- (c) Property damage to FGTS vehicles, non-FGTS vehicles, other FGTS property or facilities, and non-FGTS property that equals or exceeds \$25,000;
- (d) An evacuation due to life safety reasons;
- (e) A collision at a grade crossing;
- (f) A main-line derailment;
- (g) A collision with an individual on a FGTS right of way; or
- (h) A collision between a FGTS vehicle and a second FGTS vehicle or a FGTS non-revenue vehicle.



GOMACO Birney Car





GOMACO Breezer Car





Can you guess what this is?





Restored Birney Safety Car





At 48,000 pounds, the Streetcar always wins.





TECO LINE STREETCAR SYSTEM

Investigation of Incidents and Hazardous Conditions Procedure No. 2
Version 8
January 2007





Purpose

- This document provides procedures for all incident investigations conducted by the HART Office of Safety and Security for Streetcar Operations. The procedures are also utilized for any identified hazardous condition.
- A second purpose of the document is to provide
 a uniform policy for the establishment and assembly of a HART Incident Investigation Team.





- Major incidents are investigated by the HART Incident Investigation Team, as directed by the HART Office of Safety and Security.
- Minor incidents are investigated by frontline supervisory personnel, as directed by the Office of Safety and Security.



Investigations are organized based on the seriousness of the event or condition, according to the following criteria:

TYPE A: MAJOR INCIDENTS (Team Investigation)

- A fatality or multiple injuries
- A collision, derailment or fire that causes property damage in excess of \$25,000
- Hazardous Condition

TYPE B: MINOR INCIDENTS (Transit Supervisor)

Includes all other incidents and Hazardous Conditions (HC's)

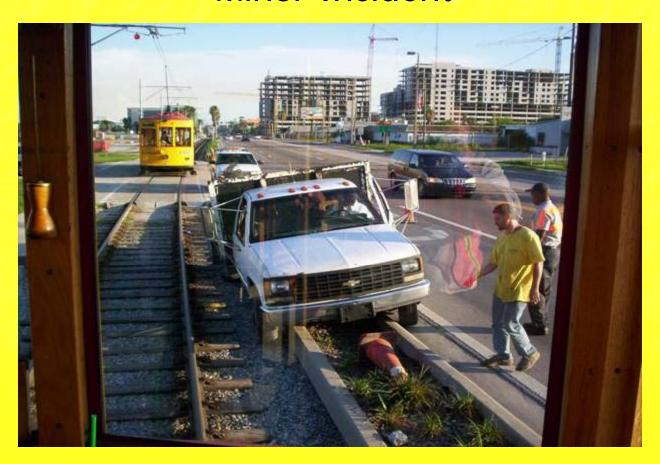


Minor Incident



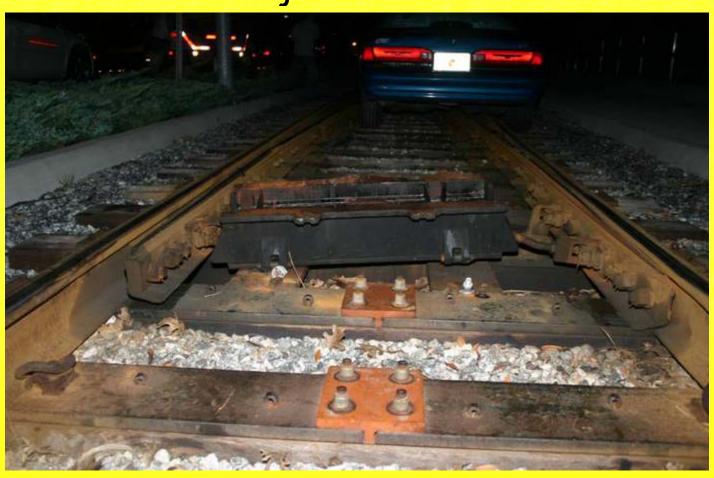


Minor Incident





Major Incident





The Team!





- The System Safety and Security Officer shall be the Team Leader.
- Permanent members of the HART Incident Investigation Team are designated by the Office of Safety and Security and include the following:
- System Safety and Security Officer
- Manager of Streetcar Services
- Risk Management
- Transit Supervisor
- A minimum of three (3) team members are used for investigation when activated.



Responsibility

- It is the responsibility of all HART personnel to enhance safety by accomplishing the following objectives during incident investigation:
- Identify, collect, assemble and preserve all equipment, documents, facts and information relevant to incidents involving HART property or any persons involved in such incidents.



- Determine the cause(s) of the incident, together with contributing factor(s) and/or conditions.
- Identify corrective actions required to help prevent future similar incidents.
- Provide written reports (interim, preliminary and final) identifying probable cause(s) of the incident and remedial actions required.



Information to be collected at the scene.





The Initial Incident Reports shall include:

- HART Primary Person Conducting the Investigation (Name, Title)
- Event Type (collision, derailment, fire, explosion, security, other)
- Location, Time, Date, Direction of Travel
- Fatalities, Injuries
- HART Vehicle(s) Involved (Type, Number)
- Other Vehicle(s) Involved (Type, Number)
- Property Damage Estimate
- FDOT Reportable
- Description of the Event/Narrative/Synopsis
- Photos
- Diagrams
- Witness Statements
- Post Accident Drug and Alcohol
- Police Report Number



HILLSBOROUGH AREA REGIONAL TRANSIT TECO Line Streetcar System Rail Dispatch Report of Streetcar Accident/Incident

Updated 6-8-07

Time of Acc/Inc			Date of Acc./Inc.								
Dispatcher Completing .	Report a	nd Notifying FDOT:									
FDOT Notification Wit	hin Two	(2) Hours of Occurren	ce:								
A fatality at the scene; o incident	r where a	an individual is confirm	ed dead within 30 calend	ar days of a transi	t-related						
			from the scene for two or m								
 Property damage that equals or exc 			cles, other HART property	or facilities, and no	n-Hart propert						
	due to life safety reasons										
	A collision at a grade crossing A main-line derailment										
A main-line derailment A collision with an individual on a HART right-of-way											
			, ART vehicle or a HART no	n-revenue service v	ehicle						
If unable to contact dire											
Elba Lopez 813 975-640	93	Michael Brown 813 97	5-6406								
Employees Name:				P.R#							
Unit #:	Cab En	sd:	Run #	Block #							
	\vdash		2007								
Accident/Incident											
Location Specific – Driveway/Intersection:											
Direction of travel-											
Streetcar:		Was Other Vehicle tra direction as Streetcar		eling in the same Number of Patro aboard:							
Other Vehicle:		airection as Streetcar		aooara:							
Injuries on the SC: Yes	/ No	How many:	Who Was Cited: Cited For:								
Description of Other Vehicle:											
, I	Streetcar										
Approximate	Other Ve										
Extent of any other prop											
Description of what hap											
Level of accident / incid	ent:	Was operator in	structed to pass out cour	tesy cards?							
Who responded and / or was notified: Dispatcher receiving initial call:											
			Name:	Unit #:							
DOT Signal 39 Perform			DOT CRITERIA								
			ge & is towed from scene cluding operator) / *Reas								
Additional Information:											



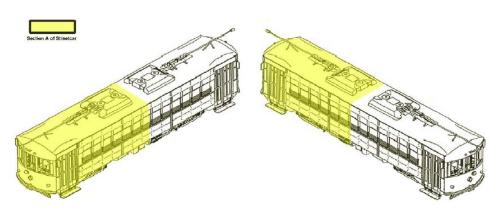
Hillsborough Area Regional Transit

Supervisor Rep	ort of Accident For	Streetcar File No.
	НА	RTline Vehicle
Date	AM Location &	Direction of Travel:
Motorman's Name:		PR # Streetcar# Regular Route: Charter:
Speed of Streetcar at	time danger of collision first	rst became apparent to Motorman? MPH
How far was Motorma At this time, how far v Did the Motorman initi	n from point of accident at t vas the other vehicle from th late: First Emergency Proced the track: Yes / No If Y	the time he applied brakes ?
	C	Other Vehicle
Driver's Name:		SS #
DL#		D.O.B. / /
Address:	City:	State: Zip:
Phone/Home: ()	Work: ()	Mobile: ()
Owner's Name:		Phone: ()
Address:	City:	State: Zip:
Vehicle Make:	Model:	Year: Color:
Tag #	County: Sta	ate: Vin #
Insurance Co. Policy #		
Agent Name:		Phone: ()
Injuries ? Yes / No	Names of Injured:	> 1.)
2.)		3.)
Direction of Travel:		
Speed of vehicle at tin	ne danger of collision first be	ecame apparent to driver?MPH
Speed of vehicle when	first contact with Streetcar	occurredMPH
STGNATURE OF SU	IDEDVISOD:	Date

onductor's Statement:	
	\perp
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ther Vehicle Driver Statement:	
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Seat	Name	Address	Phone	D.O.B.	Race Sex	Injured	Hospital
#					Sex	Yes/No	
-							
-							
 							
 							
 							
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MARK "X" FOR AREAS OF DAMAGE OR NO VISIBLE DAMAGE □

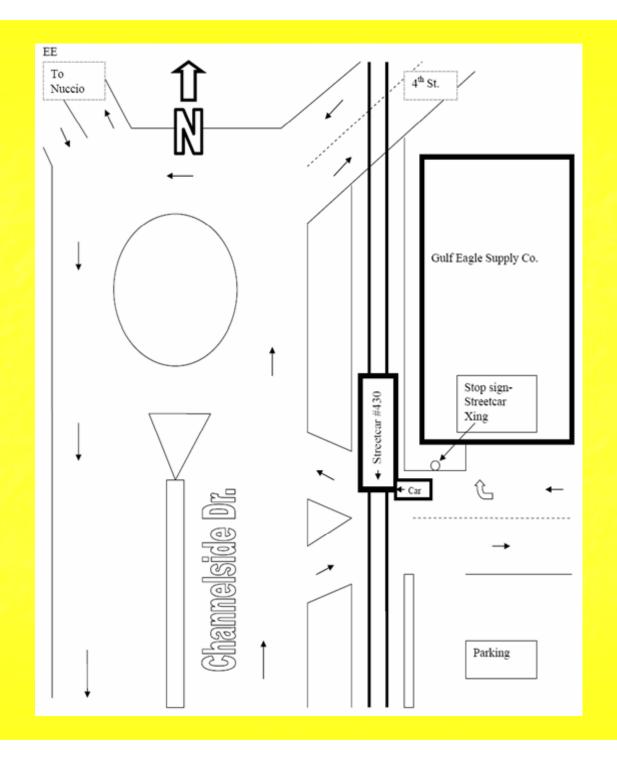


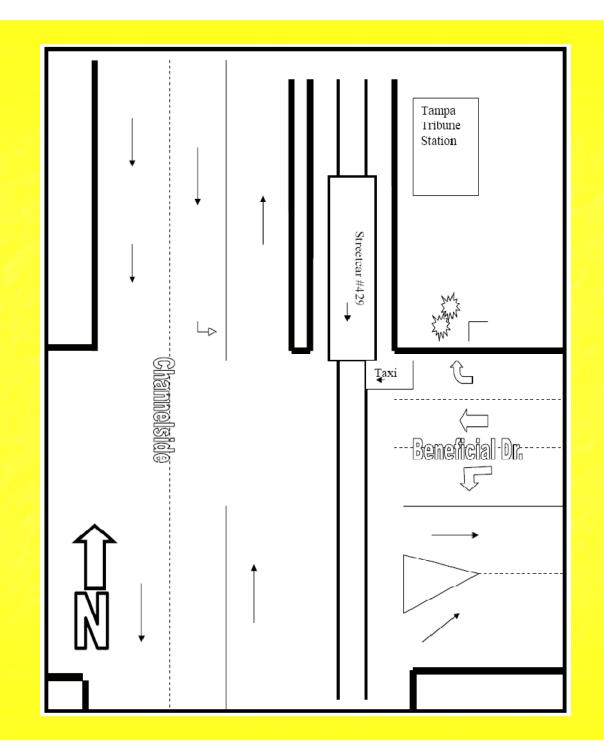
Police Report#	TPD	HCSO	FHP	Other						
Officer/ Badge #		Officer/ Badge #								
Who Was Cited:		Charge:								
Emergency Unit:		Name:								
Emergency Unit:		Name:								
List Names, Addresse	es, Phone #	s of Witnesses	Other Than V	ehicle's						
1.) 2.) 3.)										
List Unit #'s, Names	of Other HA	RTLINE Persor	nnel Present At	Scene						
Unit #/Name:		Unit #/Name:								
Unit #/Name:		Unit #/Name:								
Unit #/Name:		Unit #/Name:								
FTA Post Accident Drug & Alcohol Test Performed: Yes / No Circle One) Fatality / EMS Transport / Towed/Disabling Damage / trolley car is removed from operation FTA Reasonable Suspicion Drug & Alcohol Test Performed: Yes / No										

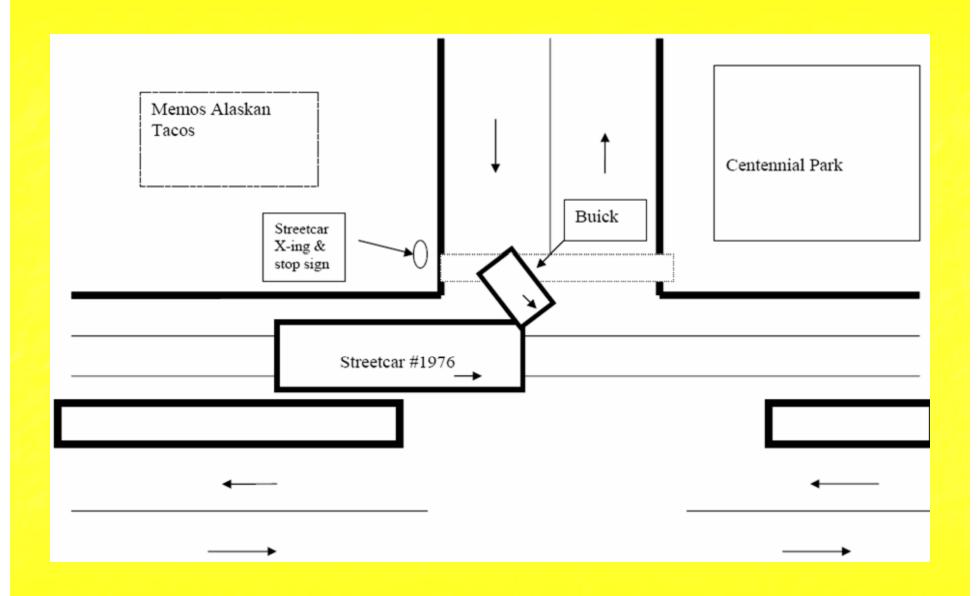
MARK "X" FOR AREAS OF DAMAGE OR NO VISIBLE DAMAGE

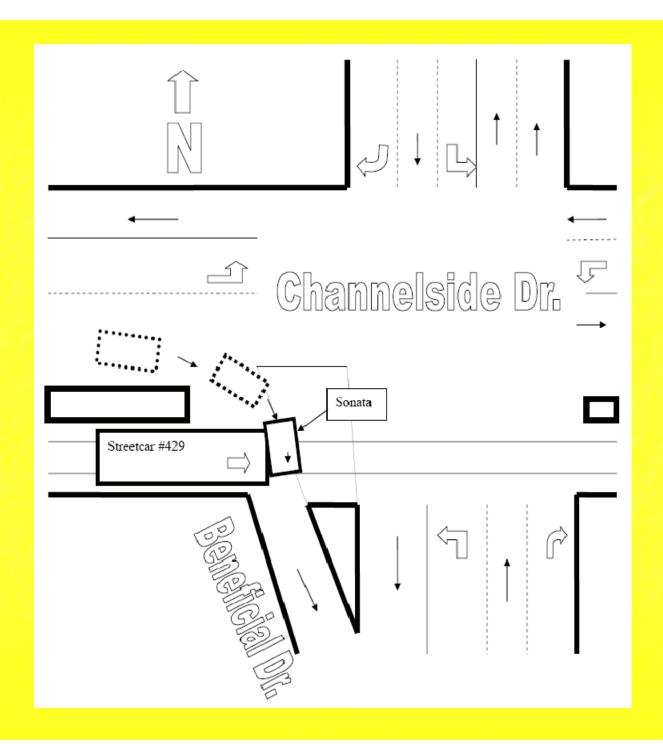


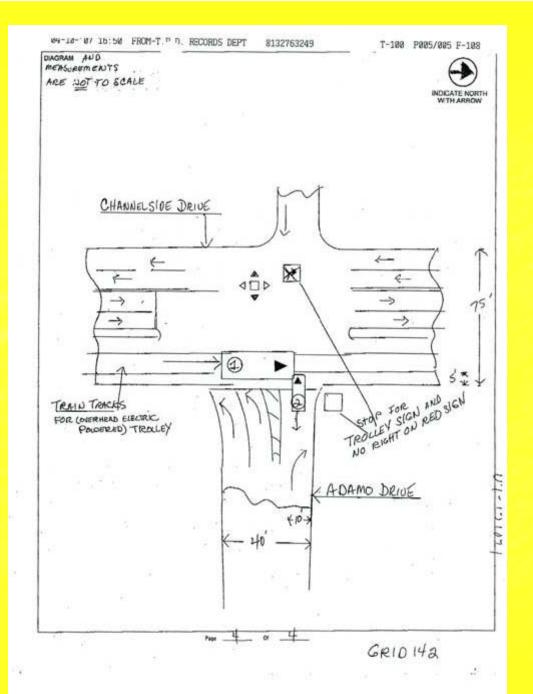


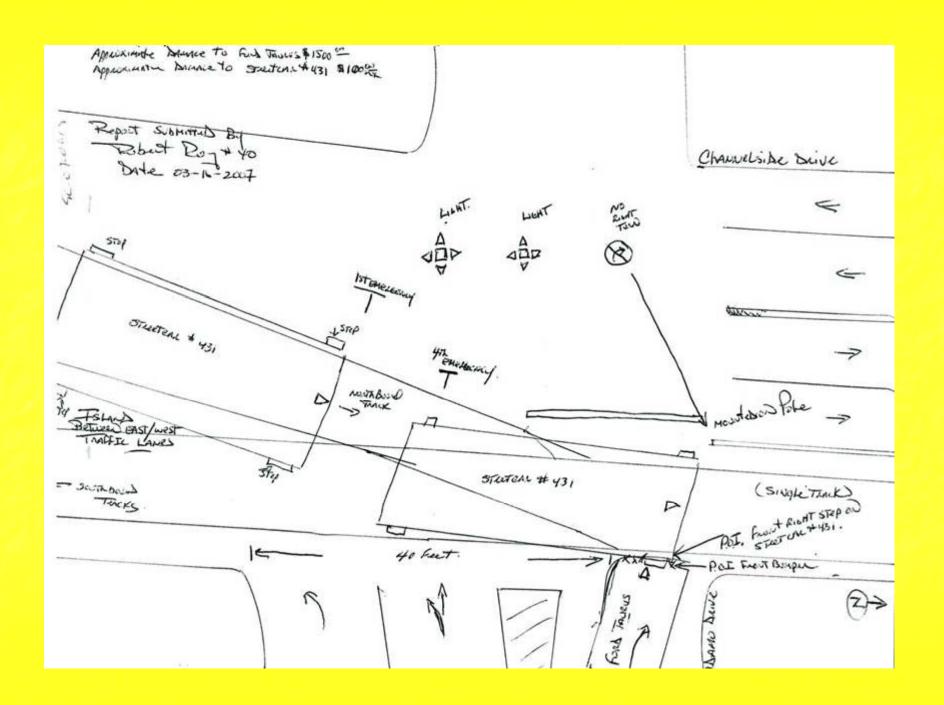












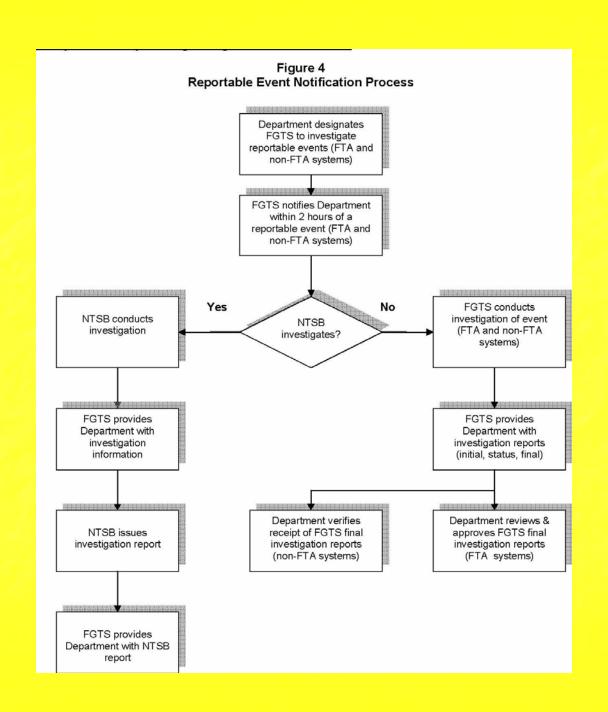
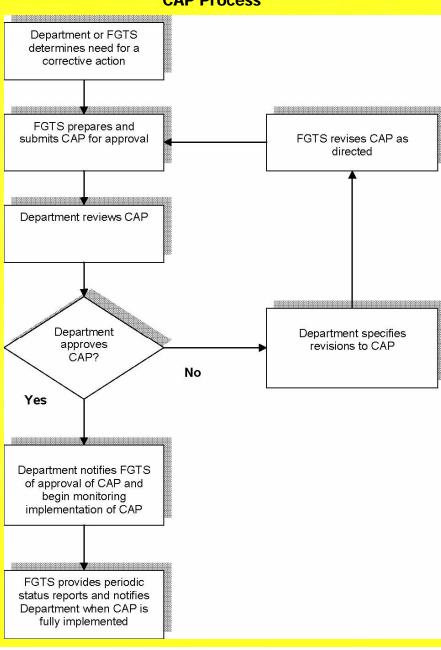


Figure 5







 All Motorman Accident Reports are submitted to Dispatch for time and date stamp on the same day of event.

All Transit Supervisor Accident Investigation Report/Materials are placed in a manila envelope with checklist label to identify all items contained in envelope:

Supervisor Narrative

____ Supervisor Diagram

Police Report Number

____ Accident/Incident Notification

Photos (memory card)

____ Courtesy Cards





- Risk Department personnel pick up all reports twice daily Monday through Friday.
- Risk Department provides Safety Department with copies of all reports daily.
- Safety Department reviews all reports and records them categorically.





MONTHLY OCCURRENCE SUMMARY - JULY - 2007 SAFETY AND SECURITY INCIDENT INFORMATION LOG

																				$\overline{}$
July '07																				
<u> </u>															CLAIMED		DOT DRUG &	DOI	CORRECTIVE	
FILE #	DATE	TIME	PR#	EMPLOYEE		LOCATION	LOCATION		SC# CAR#	BUS #		RT I	DIR R	ATIN6	INJURY	DESCRIPTION	ALCOHOL	REPORTABLE	ACTION	CLCSED
				FIRST NAME	LAST NAME	ON	CROSS STREET	YES/NO			FLEX	-	+		YE\$/NO	THREE TEENAGERS DOARDED UNIT AND FELL ASLEEP, DISPATCH CALLEE IN TO HAVE UNIT PULL OVER AND TO	YES/NO	YES/NO	YES/NO	DATE
IF-07-07-01	07/01/07	7:20 AM	2439	EL	CHAHBI	NEBRASKA AVE	HILLSBOROUGH	.70		2603		٠	S	NBH	NO	WAIT FOR THE SHERIFF DEPUTY TO TAKE THE TEENAGERS HOME BECAUSE THEY RAN AWAY.	NO	NO	NO	9/13/2007
IF-07-07-02	07/01/07	8:03 AM		COREY		MTC	ROUTE 8 SPOT	7,00		2506		1	S	IC	NO	UNIT MADE CONTACT WITH POLE WHILE PULLING OUT OF PARKING SPOT.	NO	NO.	YES	9/13/2007
IF-07-07-03	07/01/07	10:18 AM	2912	MELISSA	WELLIAMS	HIMES AVE	WATERS AVE/MLK BLVD	70		2307		36	2	NBH	NO	PATRON ON BUS WAS GROPING ANOTHER PATRON ON UNIT. H.C.S.D. ARRESTED EUDY FUENTES GALVEZ.	NO	NO.	NO	9/13/2007
																UNIT MADE CONTACT WITH A BRANCH AND DRAGGED IT SCRATCHING A TRUCK. ALSO ONE OF THE WITNESS SAID THAT THE BRANCH HIT. HIS RIGHT LEG BELOW THE KNEECAP, PICTURES WERE TAKEN, CPERATOR WAS GIVEN A	1			
IF-07-07-04	07/02/07	2:40 PM	724	DANIEL	SERRANO	DURHAM STREET	24TH ST/26TH ST	7/0		719		46	w	NBR.	NO	TICKET FOR CARELESS DRIVING.	NO	NO	NO	9/13/2007
IF 07 07 05	07/02/07	10:20 PM		MICUEL	ACEVEDO	MEMORY AVE	DR. MENI BEND	310						NEN	310	TREEPAGE #070007 01	310	310	370	0/12/2007
IF-07-07-06	07/03/07	+	362	ERNESTO	CABRERA	BEARSS AVE	22ND STREET	.70		2507		2	N	NBH	NO	OPERATOR WAS UNAWARE OF ANY ACCIDENTS THAT DAY.	NO	NO.	YES	9/13/2007
IF-07-07-07	07/03/07	4:30 AM	2913	HENRY	HOLLIS	HARTPROPERTY	READY ROW	770		715		RR		NBH	NO	OPERATOR WAS BIT BY A MOSQUITO WHILE SITTING ON READY ROW, OPERATOR TRIED TO KILL IT AND IT LANDED ON WINDSHELD AND HE SMASHED IT CRACKING THE WINDOW.	NO	NO.	NO	9/13/2007
11-0/-0/-0/	07/02/07	4:30 AM	2993	DENKI	noulis	MAKI PROPELIY	READY ROW	NO		/13		NA.	-	NDD	NO	SUPERVISOR WAS CHECKING THE AREA REGARDING TRUCKS BLOCKING THE ROUTES 8 & 46 STOP AREA. A DOG	NO	NO.	NU	9/13/2007
IF-07-07-08	07/03/07	9:19 AM		L.H.		78TH STREET	CAUSEWAY SHOPPING CTR.	370						NBH	NO	ATTEMPTED TO ATTACK HIM BUT IT WAS CHAINED, SUPERVISOR TOOK PICTURES OF THE AREA.	NO	MO.	NO	9/13/2007
IF-07-07-09	07/03/07	8:27 AM	1084	CORLIS	MCINTYRE	PALMRIVER RD	78TH STREET	YES		2123		8	Ε	NBH	NO	PATRON HAD A HEART ATTACT ON UNIT. EMS WAS CALLED AND WAS TRANSPORTED TO THE HOSPITAL.	NO	NO.	NO	9/13/2007
IF-07-07-10	07/03/07	4:15 PM	2011	RONALD	ENGLISH	COLUMBUS	HIMES AVE	YES		2104		44	N.	NBH	NO	PATRON ATTEMPTED TO STOP BUS AND LOAD HIS BIKE AND BECAME UPSET AND PULLED DOWN HIS PANTS AND GAVE THE FINGER AND CURSED AT HIM. THE POLICE AND DISPATCH WAS CALLED.	NO	NO.	NO	9/13/2007
IF-07-07-11	07/03/07	5:00 PM		LORENZO		WEST TRANSFER CTR	*	300		2107				NBH	10	TRESPASS #070107-01	NO	110	NO	9/13/2007
IF-07-07-12	07/03/07	5:42 PM		RODRIGUEZ	CARLOS	NEBRASKA AVE	BUSCH BLVE	3/0		2118				NP	NO	MOTORIST REAR ENDED UNIT AT A BUS STOP, 11 COURTESY CARDS WERE COLLECTED & NO INJURIES.	NO	NO NO	NO	9/13/2007
IF-07-07-13	07/03/07	7:50 PM	3061			HARTPROPERTY	PROBE/FAREBOX VAULT	300		21.0		•		NBH	NO	EMPLOYEE TAKING FARE BOX TO VAULT CLOSED HIS FINGERS WITH DOCK, HIS TINGERS SWELLED UP.	NO	NO NO	NO	9/13/2007
IF-07-07-14	07/03/07	12:10 PM		LORELDA	MCKINNEY	7TH AVENUE	50TH STREET	70		2416		8		NP	NO	PATRON LOST HIS BALANCE AND FELL AFTER EXITING UNIT: REFUSED EMS.	NO	NO NO	NO	9/13/2007
IF-07-07-15	07/04/07	11:30 AM		MISAEL		HARTPROPERTY	1682 FARKING SPOT	7,0						NBH	NO	EMPLOYEE FELL DOWN AND HURT HIS BACK AND LEG DUF TO THE RAIN.	NO	NO NO	NO	9/13/2007
												. 1				PATRON COMPLAINING THAT THE AIG WAS BIGH AND REQUESTED TO THE OPERATOR TO SHUT IT OFF OPERATOR.				
IF-07-07-16	07/01/07	12:47 AM	1884	MICHAEL	MCCOY	UATC	*	*		*		1	N	NBH	NO	CHANGED IT FROM 65 TO 70 DEGREES AND PATRON STILL WASN'T CONTENT. OPERATOR SKIPPED A STOP BY BURGER KING DUE TO NO PATRONS THERE AND MANY PATRONS COMPLAINED SO.	NO	NO	NO	9/13/2007
18-07-07-17	07/02/07	5:00 PM	1884	MIKE	MCCOY	IST STOP NORTH OF	BUSCH BLVE	390		2408		1	N .	NBH	NO	OPERATOR STOPPED AT NEXT STOP DUE TO THERE REQUEST.	NO	190	NO	9/13/2007
																PATRON FELL OUT OF HER SEAT HITTING HER LEG WHEN OPERATOR MADE: A SUDDEN STOP TO PICK UP A				1
IF-07-07-18 IF-07-07-19	07/01/07	4:12 PM 8:22 PM	1884	M. DESMOND	MCCOY COULSON	FLORIDA AVE YUKON PNR	HANNA ROUTE 9 SPOT	NO YES		2408		9	S	NP NP	YES NO	PATRON. PATRON WAS UPSET AND REFUSED ASSISTANCE. PATRON MISSED HER STEP WHILE BOARDING THE UNIT AND FELL PATRON WAS OK AND REFUSED EMS.	NO NO	NO NO	NO NO	9/13/2007
												-	_	$\overline{}$						_
IF-07-07-20	07/01/07	6:05 PM	2205	RITA	TRUITT	GIBSONTON DR.	42 & 75	YES		2006		31	N	NP	NO	PATRON ON UNIT HIT HIS HEAD ON SEAT BUT WAS OK. OPERATOR ATTEMPING TO MAKE A RIGHT TURN MADE CONTACT WITH A TECO UTILITY POLE. OPERATOR MADE A	NO	NO	NO	9/13/2007
IF-07-07-21	07/06/07	8:02 AM	2913	NORMAN	GALLON	FLORIDA AVE	COLUMBUS DR.	7/0		2407		6	N	P	YES	WRONG TURN THINKING IT WAS FLORIBRAKSA AVE. ONE FERSON CLAIMED INJURY.	NO	NO.	YES	9/13/2007
IF-07-07-22	07/06/07	12:56 PM	572	GLORIA	SETTLEMIRE	40TH STREET	RIVERHILLS	МO	1750					p	NO	STAFF VEHICLE REAR ENDED A VEHICLE THAT MADE A SLIDDEN STOP, OTHER MOTORIST STATED THAT SHE STOPPED DUE TO THE CAR IN FRONT OF HERMAKING A SUDDEN STOP TOMAKE A TURN.	NO	NO	YES	9/13/2007
IP-07-07-22	07/00/07	12:30 PM	312	GLUKEN				XU	1/30	_		Ť	-	P	PO	NOTORIST ON CELL PROVE RAIN A STOP SIGN AND HIT THE RIGHT FRONT OF UNIT, THE MOTORIST WAS CITED FOR	NO	NO.	:20	9/13/2007
IF-07-07-23	07/06/07	3:13 PM		COURTNEY	HARRIETTE	FLORIBRASKA AVE	JEFFERSON STREET	390		2606		-		NP	NO	VIOLATING THE RIGHT OF WAY, EIGHT COULTESY CARDS COLLECTED.	190	100	NO	9/13/2007
IF-07-07-24	07/0€/07	2:55 PM	2911	BIEASSIA	LAW	BUSCE BLVD	LINEBAUGH AVE	YES		2019		36	N	NP	NO	PATRON FELL WHILE EXITING THE UNIT. PATRON WAS OK AND REFUSED MEDICAL ATTENTION	NO	ND	NO	9/13/2007
IF-07-07-25	07/07/07	2:20 AN	2534	JESUS	GONZALEZ	HARTPROPERTY	SHOP	NO	1726			.		Р	NO	EMPLOYEE BACKED UP THE SHOP TRUCK AND HIT THE BAY DOOR 2 AND DAMAGED IT AND TOOK IT OFF TRACK. THERE WAS NO DAMAGED TO TRUCK	NO	NO.	NO	9/13/2007
			200									\neg	\top			PATRONS STATED TO RELIEF OPERATOR THAT N. GONZALEZ BUMPED HIM WITH THE BUS WHEN HE WAS PUTTING				-
IF-07-07-26	07/01/07	10:32 AM		THERESA	BRISENEAU MAGEE	NET PARK TRANSFEE CTR	*	70		911		32		NBS.	NO	HIS RICYCLE ON THE HIS \	NO	100	150	9/13/2007
IF-07-07-27	07/01/07	10:48 AM	1413		MENGEL	MTC	LOBBY	70				:		NBH	NO NO	PATRON TREATEN CUSTOMER SERVICE REP.	NO NO	NO NO	NO	9/13/2007
IF-07-07-28	07/05/07	11-11 AM 4:09 PM	2205	STEVE	KUZMA TRUITT	DIAMOND SECURITY MARION TRANSIT WAY	MTC CASS STREET STATION	NO NO		2009		31		NRH NBH	NO NO	TRESPASS #070107-01	NO NO	NO NO	NO NO	9/13/2007
IF-07-07-29	07/05/07	4:15 PM		ROBERT		FLETCHER AVE	BRUCE B DOWNS BLVD	30		2116				NBH	NO	OPERATOR STATES THAT RD SUPERVISOR STATED THAT SHE DIDN'T MAKE HER ANNOUNCEMENT. PATRON RUNNING TO CATCH THE BUS FELL AT BUS STOP, PATRON STATED HE WAS OK & BOARDED UNIT.	NO	NO NO	NO	9/13/2007
IF-07-07-30	07/05/07	4:10 PM		GREGORY		PALMAVE	MORGAN STREET	NO		2226		18	-	NBH	NO	PATRON RUNNING TO CLAIM INJURY AFTER OPERATOR REJECTED HIS PASS AND TOLD HE TO PAY JARE.	NO	NO NO	NO	9/13/2007
11 07 07 31	01102/01	1.20 2 25	251	CIE COLLI	DOLLOGIA											TRUCK HIT LEFT MIRROR OF UNIT WHILE BOARDING PATRONS. MIRROR BROKE AND A PATRON CLAIMED INJURY	1.0	212		
IF-07-07-32	07/05/07	5:14 PM	3033	CARLOS	RODRIGUEZ	NEBKASKA AVE	PALM AVE TITH ST	NO		2123		2	N	NP	NO	BUT NO COURTESY CARDS WERE COLLECTED.	NO	NJ UNI	NO	9/13/2007
																OPERATOR UNLOADING A WIC PATRON AND ANOTHER PATRON THED TO BOARD UNIT WWALKER. OPERATOR ASKED HER TO WAIT UNTIL THE WIC PATRON EXITED UNIT, BUT PATRON PROCEEDED TO BOARD UNIT AND GOT				
IF-07-07-33	07/05/07	5:21 PM	2442	MANUEL	TE:ADA	UATC	ROUTE 18 RAMP	YES		2221		18	N	NBH	NO	STUCK BETWEEN SEATS AND W/C. PATRON EEACANE RUDE AFTERWARDS.	NO	NO	NO	9/13/2007
IF-07-07-34	07/05/07	8:30 PM	2393	THOMAS		HANDLEY/WATERS	TRANSIT CENTER	YES		2110		34	W	NBH		FEDISTRIANS FOUND CONSUMING BEER AT A SHELTER AND ONE OF THEM WAS ISSUED A TRESSPASS.	NO	NO	NO	9/13/2007
IF-07-07-33	07/05/07	8:30 PM	2393	THOMAS	KONSERSLEV	HANDLEY/WATERS	TRANSIT CENTER	70				٠		NBH	NO	TRESPASS #070907-01	NO	NO	NO	9/13/2007
IF-07-07-36	07/05/07	10:35 PM	2445	GREGORY	WALKER	FLORIDA AVE	YUKON STREET	.10		2507		1	N	NBH	NO	A PEDISTRIAN EXPOSED HIMSELF TO A YOUNG LADY.	NO	NO	NO	9/13/2007
IF-07-07-37	07/10/07	6:30 AM	1144	DWAYNE	PARHAM	CAUSEWAY	US 41	VO		2229		46	w	NBH	NO	PATRON CAME UP TO OPERATOR STATING THAT HIS BIRE PELL OFF THE RACK AND IF HE COULD PUT IT BACK ON THE RACK OPERATOR CHECKED FOR DAMAGE AND ONLY YOUND THE REAR TIRE OF BIRE BENT.	NO	NO.	NO	9/13/2007
IF-07-07-37	07/10/07	9:59 AM	11111	MIGUEL		MTC		NO NO		2229		46		NBH	NO NO	PATRON WAS MOLATING TRESPASS AND WAS ARRESTED.	NO NO	NO NO	NO	9/13/2007
2F-07-07-38	3//100/	200 AUG		- SOUTH	AVEDO			***				-		nen	100,0	PEDISTRIAN CLAIMED TO HAVING CHEST PAIN THEN TO HAVING WALKING PNEUMONIA, BEING A MANIC	1417			
																DEPRESSIVE OFF HER MEDICATION. SHE WAS TREATED AND TRANSPORTED TO TAMPA GENERAL AND HAD TO BE				1
IF-07-07-59	07/10/07	8:38 AM		MIGUEL	ACEVEDO	MITC	•	NO				-	_	NBM	NO	BAKER ACTED AND WAS TRESPASSED.	NU	LV2	NO	9/13/2007
IF-07-07-40	07/10/07	10:15 AM		MIGUEL		MTC		.10				•		NBH	NO	TRESPASS #071007-01	NO NO	NO	NO	9/13/2007
IF-07-07-41	07/10/07	9:20 AM		TMOMAS	MOULENG	WESTSMORE PLAZA		300		2412		30	5	NBM	NO	A FEMALE PATRON THREATENED TO COMMIT SUICIDE. TPD TRANSPORTED HER TO THE HOSPITAL.	100	NO NO	NO	9/13/2007
IF-07-07-42	07/10/07	11:24 AM	257	PATRICK	MCKEON	TAMPA STREET	7TH AVENUE	70		2508	_	-1	5	IC	NO	OPERATOR HIT BUS STOP SIGN WITH RIGHT MIRROR WHILE PULLING OUT MIRROR GLASS WAS CRACKED. OPERATOR WENT TO 711 TO USE THE RESTROOM AND BUY A DRINK AND A PATRON ASKED IF HE WOULD WAIT.	NO	NO	YES	9/13/2007
																FOR HER TO PURCHASE A NUTTY BUDDY. PATRON GOT LOUD WITH OPERATOR WHEN HE WAS HEADING TO UNIT.				
IF-07-07-43	07/10/07	12:54 PM	2317	ARITUS	MILLER	78TH STREET	CAUSEWAY	370		2418		8	N	NBH	NO	BUT OPERATOR EXPLAINED THAT HE WOULD NOT LEAVE HER.	NO	NO	NO	9/13/2007
																NOTOKIST HITTHE LEFT SIDE OF THE UNIT AND LEFT THE SCENE AFTER BEING INFORMED THAT THE AUTHORITIES WERE BEING NOTIFIED DAMAGE TO UNIT WAS A 6' SCRATCH FROM THE CENTER TO THE REAR.				1
IF-07-07-44	07/10/07	1:05 PM	234	CHARLES	SETTLEMIRE	UNIVERSITY MALL		370		2426		44	N	NP	NO	TIRES. NO COURTESY CARDS COLLECTED.	NO	NO	NO	9/13/2007
IF-07-07-45	07/10/07	4:05 PM	2402	JAMAR	BERRIEN	UNIVERSITY MALL	*	YES		2318		12	s	NBR	NO	PATRON BOARDED UNIT AND BACKED AGAINST FRONT BY THE FAIRBOX.	NO	NO	NO	9/13/2007
IF-07-07-46	07/16/07	10.35 PM	1262	DENNIS	HITON	29TH STREET	ommen	70		2310		18		NITET	NO	CHILDREN STANDING THREW AN OBJECT AT THE UNIT, OPERATOR, CHECKED AND NOTICED THAT ONE OF THE WINDOWS WAS CRACKED.	NO	N20	160	9/13/2002
11-07-07-40	2//100/	.0.27 F/K	1447			ar and a little i				4717		10	7	e-4/14	rv	The state of the s		140		processor/



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July '07													
FILE #	DATE	TIME	PR#	EMPLOYEE	EMPLOYEE	LOCATION	LOCATION	GRAPHICS	SC#	CAR#	BUS#	VAN#	RT
				FIRST NAME	LAST NAME	ON	CROSS STREET	YES/NO				FLEX	
IF-07-07-01	07/01/07	7:20 AM	2439	EL	CHAHBI	NEBRASKA AVE	HILLSBOROUGH	NO			2603		*
IF-07-07-02	07/02/07	8:03 AM	2838	COREY	MONTALVO	MTC	ROUTE 8 SPOT NO				2506		1
IF-07-07-03	07/02/07	10:18 AM	2932	MELISSA	WILLIAMS	HIMES AVE	WATERS AVE/MLK BLVD NO				2307		36
IF-07-07-04	07/02/07	2:40 PM	724	DANIEL	SERRANO	DURHAM STREET	24TH ST/26TH ST	NO			719		46
IF-07-07-05	07/02/07	1.0:30 PM	+	MIGUEL	ACEVEDO	HIMES AVE	DR. MLK BLVD	NO					*
IF-07-07-06	07/03/07	*	362	ERINESTO	CABRERA	BEARSS AVE	22IND STREET	NO			2507		2
IF-07-0/7-07	07/03/07	4:30 AM	2933	HENRY	HOLLIS	HART PROPERTY	READY ROW	NO			715		RR.
IF-07-0/7-08	07/03/07	8:19 AM	+	L.H.	DE ARMAS JR.	78TH STREET	CAUSEWAY SHOPPING CTR	NO					*
IF-07-07-09	07/03/07	8:27 AM	1084	CORLIS	MCINTYRE	PALM RIVER RD	78TH STREET	YES			2123		8
IF-07-07-10	07/03/07	4:15 PM	2931	RONALD	ENGLISH	COLUMBUS	HIMES AVE	YES			2104		44



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П							
1		CLAIMED		DOT DRUG &	DOI	CORRECTIVE	
DIF	RATING	INJURY	DESCRIPTION	ALCOHOL	REPORTABLE	ACTION	CLOSED
		YES/NO		YES/NO	YES/NO	YES/NO	DATE
s	NBH	NO	THREE TEENAGERS BOARDED UNIT AND FELL ASLEEP. DISPATCH CALLED IN TO HAVE UNIT PULL OVER AND TO WAIT FOR THE SHERIFF DEPUTY TO TAKE THE TEENAGERS HOME BECAUSE THEY RAN AWAY.	NO	NO	NO	9/13/2007
s	IC	NO	UNIT MADE CONTACT WITH POLE WHILE PULLING CUT OF PARKING SPOT.	NO	NO	YES	9/13/2007
S	NBH	NO	PATRON ON BUS WAS GROPING ANOTHER PATRON ON UNIT. H.C.S.O. ARRESTED RUDY FUENTES GALVEZ.	NO	NO	NO	9/13/2007
Г			UNIT MADE CONTACT WITH A BRANCH AND DRAGGED IT SCRATCHING A TRUCK. ALSO ONE OF THE WITNESS SAID THAT THE BRANCH HIT HIS RIGHT LEG BELOW THE KNEECAP, PICTURES WERE TAKEN. OPERATOR WAS GIVEN A				
W	NBR.	NO	TICKET FOR CARELESS DRIVING.	NO	NO	NO	9/13/2007
	NBH	NO	TRESPASS #070207-01	NO	NO	NO	9/13/2007
N	NBH	NO	OPERATOR WAS UNAWARE OF ANY ACCIDENTS THAT DAY.	NO	NO	YES	9/13/2007
٠	NBH	NO	OPERATOR WAS BIT BY A MOSQUITO WHILE SITTING ON READY ROW. OPERATOR TRIED TO KILL IT AND IT LANDED ON WINDSHEILD AND HE SMASHED IT CRACKING THE WINDOW.	NO	NO	NO	9/13/2007
	NBH	NO	SUPERVISOR WAS CHECKING THE AREA REGARDING TRUCKS BLOCKING THE ROUTES 8 & 46 STOP AREA. A DOG ATTEMPTED TO ATTACK HIM BUT IT WAS CHAINED. SUPERVISOR TOOK PICTURES OF THE AREA.	NO	NO	NO	9/13/2007
F	NBH	NO	PATRON HAD A HEART ATTACT ON UNIT EMS WAS CALLED AND WAS TRANSPORTED TO THE HOSPITAL.	NO	NO	NO	9/13/2007
N	NBH		PATRON ATTEMPTED TO STOP BUS AND LOAD HIS BIKE AND BECAME UPSET AND PULLED DOWN HIS PANTS AND GAVE THE FINGER AND CURSED AT HIM. THE POLICE AND DISPATCH WAS CALLED.	NO	NO	NO	9/13/2007



POV turns/pulls in front of streetcar:	8
Streetcar on Streetcar:	3
Yard derailment:	3
Streetcar on shop truck:	1
Pedestrian walks into side of streetcar (no injury):	1
POV strikes streetcar:	<u>4</u>
Total:	20



Corrective Action





- Re-training/Written Safety Warning
- Clearance Lines in Barn and Yard



POV turns/pulls in front of streetcar:	11
POV strikes streetcar:	3
Mainline derailment:	<u>1</u>
Total:	15



- Corrective Action
- Repaired switch
- Put in Speed Restriction
- Acquired outside contractor to inspect switch and provide written documentation of switch condition.







	POV turns/pulls in front of streetcar:	11
ı	Streetcar on Streetcar:	1
ď	Pedestrian walks in front of streetcar (no injury)	1
٠	Passenger struck by Breezer safety bar:	2
ı	Yard derailment:	1
ı	Pedestrian attempts to jump on step of moving	
	streetcar (fatality several days later):	<u>1</u>
	Total:	17



- Corrective Action
- Investigation Team Activated
- Reconstruct accident using contracted reconstruction specialist

HART/TECO LINE STREETCAR SYSTEM SAFETY PROGRAM HAZARD IDENTIFICATION/CORRECTIVE ACTION PLAN MATRIX

Implementation of Corrective Action (s) Results in a Residual Risk Index of 1D - Undesirable.

DATE	SYS	HAZARD INCIDENT	CAUSE	STY	CNDTN	CORRECTIVE ACTION	STATUS
	OPRITN	DESCRIPTION		PTY			
2/05	Mainline Revenue Service	Non-Grade Crossing Incident Involving a Streetcar and Pedestrian. A power outage in the downtown area earlier that night resulted in the streetlights in this area being out. By the time the motorman saw the pedestrian coming towards the streetcar from the sidewalk area, he could not implement emergency braking fast enough to slow the vehicle down and stop prior to contact.	Intoxicated pedestrian attempted to jump up onto the side step of a moving streetcar. Pedestrian fell backwards from step, hit head on rail, expired several days later in the hospital.	1D	Undesirable	Request City of Tampa install back-up street lighting in case of power outage. Request City of Tampa install guard railing to separate sidewalk area from track area.	Requested



POV turns/pulls in front of streetcar:	5
Pedestrian walks into side of streetcar (no injury):	1
Split switch/derailment:	<u>2</u>
Total:	8

Motormen went seven months straight without involvement in an accident.



Corrective Action

- Painted clearance lines throughout entire mainline.
- Changed/added additional signage.







Accidents 2007

POV turns/pulls in front of streetcar: 8

Passenger slips and falls (no injury):







- Total incidents to date: 69
- POV turns/pulls in front of streetcar: 43

Statistically, the POV turning/pulling in front of the Streetcar is the biggest safety threat to system safety.

Through careful analysis, it has been determined there is only one definitive corrective action.







Accident Review Procedures

- All accidents/incidents involving any Authority vehicle are reviewed by the Safety Officer to determine preventability.
- Prior to the rating, the Safety Officer meets with the employee to discuss the accident/incident.
- At the meeting, the employee is informed of the rating. The employee receives written notification of rating and if preventable, penalty.
- The employee is entitled to appeal the preventable rating to the Tampa Area Safety Council.



Discipline for involvement in a preventable accident:

First Offense Retraining

Second Offense
Reprimand – mandatory attendance in

defensive driving course

Third Offense One day suspension

Fourth Offense Three day suspension

Fifth Offense May Discharge

Above penalties are based on preventable accident involvement within a 12 month period.

Individual accidents drop from record after 12 months from date of accident.



HART Rail V	Vorker	Competen	cies		1					Updated 9-13-07			
for the TEC	O Line 9	Streetcar Syste	m l	STREETS AR	TE	co)	EXTENT						
			Certified	Certified	Key	Certified	Certified	436	Certified	Certified	Re-Certified		
Name	PR#	Status	CSX Crossing	CSX Crossing	=	400's	436-Test	Line Time	1976	163			
Full Time					Т								
obert Garcia	10362	Motoman	5/6/2005	7/25/2006	13	Y	RT 6/12/2006	Y	1/13/2005	10/27/2004	1/29/2007		
erry Goodman	594	Motorman	5/6/2005		4		11/14/2005		1/13/2005	11/3/2004		Transfer to Bus 5/28/06	
aul Hartman	857	Motoman	5/11/2005	7/25/2006	26	Y	6/23/2006	Y	1/12/2005	9/27/2006	1/29/2007		
.Cosme	2213	Motoman	5/6/2005	7/25/2006	37	Y	RT 6/13/2006	Y	1/12/2005	У	2/20/2007	Lst Interik Key#10 11/20	
ames Michael	2464	Motoman	5/6/2005	7/25/2006	6	Y	11/15/2005	Y	1/27/2005	•	1/29/2007		
helton Johnson	2954	Motoman		7/25/2007		Y	7/25/2007	Y	7/25/2007			Resigned A/O 9-11-07	
oe Delvecchip	2477	Motoman	5/6/2005	7/25/2006	11	Y	11/14/2005	Y	7/6/2005		2/20/2007		
'Im Dozier	2570	Motoman	5/6/2005	7/25/2006	- 5	Y	11/14/2005	Y	1/25/2005		1/29/2007		
Ray Cordero	2569	Motorman	5/6/2005	7/25/2006	15	Y	11/17/2005	- Y	1/25/2005	10/14/2005	2/20/2007		
ahael Rosado	2592	Motoman	5/6/2005	7/26/2006	14	Y	RT 6/12/06	Y	5/3/2005		2/9/2007	RTW 2/9/07	
riando Gonzalez	2593	Motoman	5/10/2005	7/25/2006	22	Y	11/16/2005	Y	1/31/2005		1/29/2007		
avid Deyamin	2303	Motoman	5/27/2005		23	5/27/2005		Y	6/22/2005			Resigned 4/25/06	
Vatson Swiderski	2747	Motoman	4/28/2006	7/25/2006	-8	4/28/2006	6/12/2006	Y	5/18/2006		4/28/2006	Resigned 8/11/06	
ean Pitz	2687	Motorman	9/21/2005		18	9/21/2005	11/15/2006	Υ	9/21/2005		2/9/2007	Transfer to Bus 5/28/06	
Ichard Judd	2942	Motoman		7/27/2006	29	8/11/2006	8/14/2006	Y	9/18/2006		2/21/2007		
Part Time													
ic Dougherty	2407	Motoman PT	5/7/2005	7/28/2006	16	Y	11/14/2005	Y	5/7/2005	10/15/2004	9/13/2007		
om Bjorkman	2408	Motoman PT	5/6/2005		8	Y		Y	5/6/2005	10/15/2004		Resigned 11/11/05	
huck Richards	2624	Motoman PT	5/6/2005	9/15/2006	9	Y	6/23/2006	Y	1/28/2005	10/28/2004	2/23/2007	_	
Cross Trained													
alencia Joyce	1764	Motoman	8/20/2005	7/28/2006	17	Y	N/A		5/2/2007		5/2/2007		
like McCoy	1884	Motoman	7/8/2005	8/2/2006	28	Y	N/A		N/A		5/3/2007		
Valter Mathew	2218	Motoman	5/27/2005	7/28/2008	24	Y	N/A		7/14/2006		3/13/2007		
arios Almonte	2721	Motoman		11/22/2006	37	Y	11/22/2006	Y	11/22/2006		3/13/2007]	
lean Pitz	2687	Motoman	9/21/2005	8/4/2006	18	9/21/2005	11/15/2006	Y	9/21/2005		2/9/2007	Transfer to Bus 5/28/06	
avid Deyamin	2303	Motoman	5/27/2005	3/5/2007	23	5/27/2005		Y	6/22/2005		3/5/2007	Crosstrained oper, A/O 3-29	
duardo Ramos	2489	Mechanic	5/6/2005	7/28/2006	21	Y	11/17/2005	Υ			1/29/2007	1	
ames Scacco	2492	Service Attendant	8/17/2005		19	Y		Y			2/20/2007		
oe Delgado	1115	Supervisor	2/15/2006		\Box	Y	2/15/2006	Y	2/16/2006	2/16/2006	5/4/2007		
				1	$\overline{}$								
					-							1	

TECO Line Streetcar System

Streetcar Bulletin #1

To: All Streetcar Workers

From: Joe Diaz, Safety and Security Officer

Tim Borchers, Manager of Streetcar Services

Peter Mikos, Assistant Superintendent of Streetcar Operations Eric Sitiko, Assistant Superintendent of Streetcar Maintenance

CC: S. Roberts, J. Morais, E. Bart, R. Lavado, Donna Loy, Paul Toth

G. Brackin, E. Lego, ATU and Teamsters

Date: July 24, 2006 Bulletin #1

Re: Phase 2 of HART's current rail waiver conditions.

The Federal Railroad Administration has granted a waiver extension to proceed to Phase 2 of HART's current rail waiver conditions.

The details of the new operating conditions and subsequent procedures are contained in an updated copy of the "TECO LINE STREETCAR SYSTEM - CSX INTERLOCKING OPERATIONS" manual, "Version 2, dated 07/24/2006".

The procedure will change officially and affect all rolling stock crossings of the interlock from 0900 Tuesday July 25 2006.

The most notable changes include it no longer being necessary for any radio communications by the Motorman or Dispatcher when crossing on a proceed (green) indication from the wayside signal, interlock related fault reporting procedures, and an additional emphasis on Operational Performance Monitoring.

Motormen, streetcar mechanics, streetcar management, and streetcar trainers (all personnel who can operate streetcars on the main line) will be retested on the manual in its entirety before being permitted to operate streetcars through the crossing. Supervisors and Dispatchers are required to study the manual upon issue to ensure early familiarity and will also be retested on the updated manual in its entirety by September 20 2006.

During this transition streetcar management, and safety and security staff will be monitoring crossing procedures and providing assistance and mentoring to all.

Opportunities will be available for additional training at scheduled Supervisor/Dispatcher, and Streetcar Worker meetings. For further or more immediate questions please contact any member of streetcar management or the System Safety Officer.

We look forward to a smooth transition during these subtle changes, and thank you for your professionalism.

Streetcar Refresher Training August 20, 2007 Streetcar Operational Information, Safety Procedures, Track Switches, CSX Interlocking

and Streetcar Bulletins

Name	Signature	PR#	Date	Time
Name	Signature	PK#	Date	Time
			1	

TECO Line Streetcar System

INTRODUCTION

NT-4-

The TECO Line Streetcar System is a rail based, fixed guidway, public transportation system. It requires operational performance monitoring to maintain safe, timely, and quality service delivery.

Responsibilities in monitoring and controlling the system's operation are real. Your attentiveness and decisions influences whether the customers experience is good or not so good – it also affects the systems safe operation.

OPERATIONAL PERFORMANCE ASSESSMENTS

These sheets allocate duties which need to be performed during your shift. The tasks focus on areas of the system which require improvement, gathers data to monitor operations, which may be used for future operational design.

The tasks listed will change from time to time. These changes will be influenced by a number of factors including areas identified as needing improvements and your comments.

If you are unable to complete any item, please detail reasons in the note section and forward partly completed assessment.

New sheets may be obtained from 21st Avenue or the carbam. On completion deposit them in the "IN" mail box at the carbam, or place in inter office mail and address to the Assitant Superintendent of Streetcar Operations.

To help you further understand streetcar operation study the Streetcar Operating Rules and Procedures, Streetcar Bulletins and other streetcar related procedures.

If you can suggest improvements to this form please list in notes section.

WHEN MUST THESE BE FILLED OUT, AND BY WHOM

Until instructed otherwise, these sheets are to be filled out daily by operational staff supervising the system – typically supervisors and superintendents from the streetcar operations department.

TECO Line Streetcar System – Operational Performance Assessment 3/24/2006

TECO LINE STREETCAR SYSTEM

OPERATIONAL PERFORMANCE ASSESSMENT CHECKLIST

DAY	
DATE	
NAME	
P/R NUMBER	
SHIFT START	
SHIFT FINISH	
S/CAR SUPT	

#	Items	Check List	YES	NO
1	Supervisory Staff Member	Neat tidy appearance (face shaved if applicable)		
	(you)	Correct uniform, pressed and clean		
		Well and alert for duty		
		Have a professional, courteous and cheerful		
		approach		
		Motor vehicle fuelled and serviceable		
		Radio, radar serviceable		
2	Pull Out/In	Pull Out - On time		
	Car # -	Pull In – On time		
3	Pull Out/In	Pull Out - On time		
	Car # -	Pull In – On time		
4	Schedule Adherence	Time Check		
		Location -		
	S/car #	Direction (N/S)		
	M/man	Scheduled Time		
	The state of the s	Actual Time		
		On time		
5	Schedule Adherence	Time Check		
		Location -		
	S/car #	Direction (N/S)		
	M/man	Scheduled Time		
	M/man	Actual Time		
		On time		
6	Crew Change	Crew Change		
	S/car #	Location -		
		Direction (N/S)		
	M/man 1	Total time car was stopped		
	M/man 2	T. F. C.		
	Time	Was total time less than 1 minute		

TECO Line Streetcar System – Operational Performance Assessment 3/24/2006

TECO LINE STREETCAR SYSTEM HILLSBOROUGH AREA REGIONAL TRANSIT (HART)

EMERGENCY RESPONSE PERSONNEL SYSTEM OVERVIEW

1-12-06

BASIC INFORMATION

 HART is responsible for the streetcar service operation. HART emergency contact personnel are as follows:

Name	Title	Number
		813 Area Code
Dispatch	24 hour Hotline Number	626-3548
Tim Borchers	Manager of Streetcar Services	309-0195
Peter Mikos	Assist. Superintendent of Streetcar Ops.	309-0971
Eric Sitiko	Assist. Superintendent of Streetcar Maintenano	e 309-3483
Joe Diaz	System Safety and Security Officer	309-1617

- . The City of Tampa (COT) is responsible for the streetcar right-of-way.
- Southern Power and Control, under contract, provides routine maintenance and emergency service for the streetcar overhead power line. Emergency phone contacts for Southern Power and Control are: 813 620-2700 (office) 813 927-6566 (cell). Additionally, HART has a trained response team and high rail maintenance vehicle for incidents involving the overhead power line.
- In the case of a need to quickly move an immobile/downed streetcar, streetcar is blocking an intersection, etc., HART has a trained response team and high rail recovery vehicle to tow or push the streetcar to a safe location.
- In the case of streetcar derailment, HART has a trained response team for re-railing streetcars. In an extreme situation, Stepps Towing will be called in to assist in the emergency response – 621-8884.
- · The current regular hours of streetcar operation are:

Monday, Tuesday and Wednesday	11:00 AM to	10:00 PM
Thursday	11:00 AM to	11:00 PM
Friday	11:00 AM to	2:00 AM
Saturday	9:00 AM to	2:00 AM
Sunday	12:00 PM to	8:00 PM

Although these represent typical operational hours, training, maintenance and special events can dictate extended operations (earlier start, later finish) outside the normal on-line service hours.

TECO Line Streetcar System TRACK & OVERHEAD INSPECTION REPORT

To Be Completed Prior to Performing Overhead Power On Procedures

Name		
Unit#		
Day		SUPERVISOR
Date		DEDODE
Time		REPORT

No.	Items Checked	Comment If Problem Exists (Provide Detailed Explanation In Note Section)	OK Check Off
	Special Instructions		
	Ensure both Substations are activated by 8 AM		
1	Drive Streetcar System EOL to EOL		
2	Overhead 600 volt conductor and section isolators Nothing fouling conductor		
	Fixed in frogs No Kinks Section isolators intact		
3	Span wires Nothing fouling span wires Span fixed in fittings No breaks		
4	Support poles and bracket arms Straight without distortion No automobile damage		
5	Track (main line) No obstructions or debris on rail No breakage's of track or fixtures and no fixtures missing Correct operation of switches Bumping Post at North EOL Bumping Post at South EOL		

6	Stations	
	No vandalism or graffiti	
	All lights operating	
	 Signage correct and undamaged 	
	Cleanliness	
	 ADA bridge mechanisms working 	
	correctly with no missing or damaged	
	parts	
	 ADA bridge mechanisms locks affixed 	
	and easy to operate	
7	North Substation	
	 Fencing, gate and lock intact showing no 	
	sign of damage or forced entry	
	Building and door intact showing no sign	
	of damage or forced entry	
	Interior lighting and air-conditioning	
	working	
	Interior clean and tidy	
	List breaker to be activated (1, 2, or 3)	
	Activate power (by 8 AM)	
8	South Substation	
	Fencing, gate and lock intact showing no	
	sign of damage or forced entry	
	Building and door intact showing no sign of daypers or forced outer.	
	of damage or forced entry	
	Interior lighting and air-conditioning working	
	Interior clean and tidy	
	List breaker to be activated (1, 2, or 3)	
	Activate power (by 8 AM)	
9	Track (vard and Carbarn)	
	No obstructions or debris on rail	
	No breakage's of track or fixtures and no	
	fixtures missing	
	Correct operation of switches	
	1	



Rail Specific Committees

- Rail Operations and Maintenance Committee
- Rail Safety Committee
- Rail Security Committee
- These three committees meet once per month at the same time
- Meetings average about two hours
- Committee members include mid to high-level managers
- Minutes are recorded
- Tasks are assigned
- Co-chaired by the Safety Officer



Joe Diaz passed out a paper listing those items that need corrective action. That list and comments are now included as part of this record. If the items have already been assigned an issue number, they will keep that number.

STREETCAR SAFETY ISSUES/ITEMS NEEDING CORRECTIVE ACTION

ITEM	COM-	NOT COMPLETE	DUE
#13A. Radio Handset Lowered	PLETED	This project is 90 percent complete. The wring has been completed, and the handset lowered, but it can not be finished until the deadman controls have been relocated. Streetcar 436 will have to go through a recession of its wiring. FDOT has requested that the doors work like those on the buses. This item is on hold; Mr. Sitiko said that the instrument pane also needed to be redesigned. Gomaco agreed to do a redesign. We will have the desion by Comproy (May 23)	DATE: June 2007
#15 Motorman's Curtain		This is still ongoing. Mr. Robers suggested that Mr. Stilke look at the curtains on the new buses. Mr. Sitiko will contact 21" Avenue to request that an estimate be done to repair the curtains currently in use. The new buses have the same problem. It was suggested that a local upholeterer would be contacted to fix the shades. Enc stated the bub shades were ordered two months ago. Martha and Enc to check with Gomaco on status.	June 2007
First Two Interior Passenger Lights Cut		A design is being developed by maintenance staff. Will be included in modifications to 436, including roof ad lighthig and lighthig and lighthig and lighthig and lighthig and lighthig and light was looked at and Maintenance Staff is working on the lights being turned off during the day. Resources are not available to have the first two lights go out since each car is rewired differently. Procurement will be directed to find and order but shelds for the cars. Gonaco will supply eight shelds to test on two cars at the cost of \$70-\$50 each. It will take two weeks to deliver the items proceeded.	June 2007

Streetcar Meeting Minutes Page 1 of 3 May 22, 2007

ITEM	COM- PLETED	NOT COMPLETE	DUE DATE:
		has quoted, HART to purchase first four. See above term	
#16 Cab Special Event Standee Line; #16 Non-Operating End Restrictive Area Bars		These two items have been combined. Whatever the solution is, it will have to provide an easy exit for the enclorman. A sketch will be created and sent to Gomaco. 21th Avenue will be excluded in sent to Gomaco. 21th Avenue will be excluded to design the restrictive arise bars. Gomaco will supply the components and install them. Eric. Sitiko will bring the quote to the next meeting. Eric has requested Openaco as send a final quality.	June 2007.
Pre-Departure/Maintenance Maifunction Form		The form has been finalized. Tim Borchers will design the form. He is currently working on the PM form.	June 2007
Secondary Safety Jack Stands for Lifts		It is difficult to use secondary jack stands since there are not extra points on a streetcar where it can be lifted. A set of jack stands will be purchased, however, and a risk analysis done from a preventive maintenance and inspection scheme. They will have to be retrofitted and procedures written for their use. Purchasing has the information on the jacks. This project is still on track. Adapters have been found that will extend the cradles on the present lifts six inches and will put the lift further back from the vehicle.	June 2007

#29 - Severe Weather Conditions

Discussion: Following a comptaint by a Motorman during severe weather, a discussion was held regarding using a pantograph instead of the trolley poles. We have received one guote for a pantograph for \$7,000.

Conclusion: It is recommended by this committee to purchase one pantograph to be trialed on a 400 series streetcar. Steve Roberts requested this to be discussed with the THS Board prior to purchase.

Action Item: Historic issues need to be discussed with THS. A discussion item will be added to the agenda for the June THS Board meeting.

Person Responsible Tim Borchers, Eric Sitiko Streetcar Meeting Minutes May 22, 2007

Deadline:

Page 2 of 3

#29 A - Corrective Action Plans at Embassy Suites

Discussion: A Corrective Action Plan was developed to identify the safety improvement items at Embassy Suites.

Conclusion: Although many of the items have been completed, there are remaining outstanding issues.

Action Item: Follow-up with the City to ensure 1) They locate the 4" conduit for the future installation of the security cameras for the STP ticket vending machine and provide a contact with their ADT contact for security monitoring and 2) they provide a final copy of the as-built drawings marked with changes to our utilities that they had damaged or disconnected.

Person Responsible: Deadline: Joe Diaz June 2007

#30 - Stroller Policy at High Blocks

Discussion: Currently loading strollers at high blocks is a motorman discretion decision. The problem occurs when there is inconsistency.

Conclusion: A stroller policy needs to be created covering the loading of strollers from the high block ADA ramp.

Action Item: Pete will draft guidelines for motorman discretion and providing customer service when loading a stroller from the ADA high block.

Person Responsible: Deadline
Pete Mikos June 200

#8 A - Moving of Streetcars in Emergency Preparedness

Discussion: A plan to evacuate streetcars in anticipation of a hurricane has been developed and documented. Two additions to the plan have been identified.

Conclusion: The Hurricane Plan needs to be updated with Stepps. RW Summers and Southern Power and Controls emergency contact equipment. Also, additional equipment needed to be purchased for assistance in emergency preparedness has been identified.

Action Item: Joe Diaz will update the plan to include all current information and write a SOP. The additional materials have been received and are locked up. Joe Diaz stated they need to be kept separate from other maintenance items so Streetcar can access them if needed. A wench still needs to be purchased.

Person(s) Responsible:
Joe Diaz, Eric Sitiko, Donna Loy

Deadline: June 2007

Streetcar Meeting Minutes May 22, 2007 Page 3 of 3



- Additional Safety and Security Committees
- Monthly Occurrence Loss Prevention & Analysis Committee (MOLPAC)
 - Chaired by the Safety Officer
 - Meets once per month
 - Trends are identified
 - Corrective Actions are established
 - Tasks are assigned
 - Members include Risk, Safety, Training, Operations, Customer Service

TASKS NEEDING CORRECTIVE ACTION

NO.	TASK	SIGNED TO	STATUS
1.	Supply the Risk Department and the committee each month with	Customer	Ongoing
	reports received through the Customer Service Department on any calls	Service	
	that have to do with slips and falls, operator's driving abilities, injured		
	patrons, damage to vehicles, and unsubstantiated claims for		
	compensation. This also includes anything that we do not have a		
2.	written report on. Due to the number of slip and fall accidents on board buses, the	David	In Process
2.	committee is recommending an interior sign be installed on all buses	David	III F10Cess
	advising customers of the following: "This vehicle makes sudden starts		
	& stops. Floor is slippery when wet. For your safety, please make sure		
	to hold on to a bus pole, strap, or stanchion." Ask Jack to see if he can		
	make them.		
3.	Get with Justin to check on pre-recorded P.A. safety messages.	Joe	In Process
4.	Need to discuss process with Maintenance and Procurement	Joe, David	Ongoing
	Departments for safety involvement in purchases of new vehicles. Get	or John	
	with Bob Andis and Cathy Zickefoose. Need to come up with a SOP		
	that covers all purchases requiring Safety/Security oversight.		
5.	Due to the number of passenger accidents on buses there will be a focus	Committee	Ongoing
6.	on monthly review of passengers onboard, exiting and entering the bus. Field review of certain routes with tight streets and turns that are	Security/	In Process
0.	assigned to 102" wide HART buses will be performed by Safety and	Training/Risk	III F 10CC55
	Training.	Training/Teasi.	
7.	Continue to monitor all locations where objects are thrown at vehicles.	Committee	Ongoing
8.	Continue to monitor areas under construction in order to provide	Committee	Ongoing
	operators with safety instructions. Contact the Scheduling Department		
	if there is an issue with running time.		
9.	Notify Melissa with all slip and fall incidents that claimed injury each	Lois	Ongoing
10	month.	Camerita	0
10.	Continue to evaluate all locations where accidents/incidents are	Committee	Ongoing
11	occurring, to include time of the day, day of the week, etc.	To a /Donal d	To Donasso
11.	Monitor the intersection of 22 nd Street and Palm Ave regarding the left turn lane from East Palm Avenue to North on 22 nd Street. Determine if	Joe/David	In Process
	the intersection is wide enough to make turn and if motorists are trying		
	to beat the bus on turn.		
	to ocat the ous off turn.		



Interdepartmental Coordination Committee

- Chaired by the Safety Officer
- Meets once per month
- Deals mainly with Configuration Management and Change Control
- Minutes are recorded
- Members include Risk, Safety, Engineering & Development,
 Procurement, Operations, Maintenance, Information Systems
- Currently developing a Continuity of Operations Plan (COOP)





STREETCAR INTERDEPARTMENTAL COORDINATION COMMITTEE
July 27, 2007 2:00 P.M. 21st AVENUE CONFERENCE ROOM

PRESENT: Tim Borchers, Joe Diaz, Lois Vita (for Rickey Kendall) Donna Loy, Martha

Milligan, John Morais, Jane Shang, Paul Toth, Lisa Harris (for Cathy

Zickefoose)

The HART Streetcar Interdepartmental Coordination Committee met on July 27, 2007, at 2:05 p.m. in Conference Room II at 21st Avenue.

Joe read the minutes from the last meeting, discussing the topics as we went along.

Joe stated we have installed video on Streetcar 432 and is currently being tested. The tower is in the process of going up and radio installation will begin in about a month. In addition to streetcars, we will install video on five buses.

Joe reported the supplemental environmental assessment for the extension was filed with FTA on 7/16/07. Joe will request that the City send a representative to our next Interdepartmental meeting. This will help define responsibilities of the City and HART during the extension.

The new form created for identifying hazards is in the final draft stages. Once complete, this committee will review and we will implement the use of the form. It will be color coded for easily distinguishing from other forms.

A second group of ADA representatives have looked at the product trialed to fill the track gap. They were agreeable to the repair. Our purchasing department has been contacted with the information to set up an account with the supplier. When the product becomes available commercially, we plan to move forward with this process.

Donna Loy must be notified when anyone buys product requiring MSDS sheets. This also applies to shop personnel going to local vendors to buy last minute as needed material.

We will continue working through any open Corrective Actions.

Joe wanted share discussions that took place recently at the conference he attended in Chicago.

 COOP - Continuity of Operations Plan - The written plan of continuing operations after a catastrophic event occurs. This is an organizational plan; not Safety and Security. However, we don't have a committee tasked to write the plan so Joe will ask Steve Roberts permission for the Interdepartmental committee to develop the plan. If Mr. Roberts agrees, we can work on this each month.

HILLSBOROUGH AREA REGIONAL TRANSIT CONTIGURATION CHANGE CONTROL PROPOSAL FORM (5-14-07)

REQUESTED BY:		DATE:				
DEPARTMENT MAKING REQUEST:						
APPROVED / DENIE	DBY:	DATE:				
CHECK MODE TYPE	: Check Applicable Mode Type(s):					
Bus:	Streetcar:	Paratransit:				
Other (describe):						
ELEMENT BASELINE TO BE MODIFIED: Check applicable element(s): Engineered Systems:						
Operations & Maintenance Practices: Modifications to, replacement of, or new (parts, equipment, chemicals, components, vehicles): Training & Qualifications Practices :						
DETAIL PROPOSED	CHANGE DESCRIPTION:					
Attach All Applicable Documents (existing and proposed):						
Drawings (Engineered	System), Part/Product, Rule/Procedu	re, Modification, Risk/Hazard Analysis etc.				
CATEGORY CLASS: Check One:						
Class "A" – Definitely Impact Safety Critical System / Process						
	Impact Safety Critical System / Pro	cess				
Class "C" – No A	Apparent Safety Impact					
Explain:						
COST IMPACT (appro	eximate equipment costs and labor h	ours required for change):				
DOES CHANGE(S) HA	VE CONTRACTUAL OR REGUL.	ATORY COMPLIANCE IMPLICATIONS:				
No Yes (if	ves evulain):					
163(11	yes, explain).					

).	CHANGE INFORMATION	4 SAFETY OFFICER OR SYSTEM SAFE WILL DETERMINE SIGN OFF NECESS I Require Review and Sign Off: "Conflict"	ED.						
	TILE	DEPARTMENT	NO	CONFLICT	SIGNATURE	DATE			
	1111.6	DEFARIMENT	CONFLICT	CONFLICT	SIGNATURE	DATE			
Safety Officer/Specialist Comments:									
Form Procedure: All Departments having a safety and/or security responsibility are required to complete this form. In order to simplify the process, all responsible personnel having authority to purchase, implement, or maintain any of the baseline elements listed in Section 3 will contact the									
System Safety and Security Officer to determine if Configuration Change Control Form process will be required when modifying, replacing, and/or introducing new system elements.									





HAZARD IDENTIFICATION REPORT FORM

(Hazard Definition: to expose to danger, injury or harm; potential to cause harm; possible source of danger) Haz. Cat.____ Rsk. Indx.____ (Safety Officer) Instructions If hazard is life-threatening, report hazard to Dispatch immediately. Employee identifying hazard/completing report is to physically submit report to member of management/ Dispatch; • If member of management/Dispatch is not available, place report in the Operations "IN" box (Streetcar Division). SECTION 1. HAZARD REPORT (to be completed by employee reporting hazard): Maintenance Division Check One: Streetcar Division Bus Division HARTPlus Division Name (Print): PR#: Date: Exact Location of Hazard: Description of Hazard: Suggested Corrective Action to render condition/situation: Employee Signature: Report Received By: SECTION 2. HAZARD INVESTIGATION & CORRECTIVE ACTION (to be completed by investigating supervisor): Supervisor Remarks: Corrective Action to beTaken: Status of Corrective Actions (check box & include details as applicable): Works Commenced Date: Expected Completion Date: Hazard Investigation Referred To: (name) Position: Supervisor Signature:

Completed reports are to be forwarded to the System Safety and Security Officer / Office of Safety and Security. Attach additional

Corrective Action Completed/Closed Out Date:

information as applicable.



HART/City of Tampa Standing Streetcar Committee

- Meets once every two months
- Deals mainly with safety and security related issues
- Minutes are recorded
- Committee members include mid to high-level managers from Operations, Risk, Safety and Security

HART/City of Tampa TLSS Signage Discussion Standing Streetcar Committee

August 6, 2007 1:30 p.m. 306 E. Jackson Street, 4th Floor Conf. Room, Tampa, FL 33602

City of Tampa Staff Present: Michael Chen, Debbie Herrington, Ron Phillips,

Tony Rodriguez

HART Staff Present: Tim Borchers, Ed Crawford, Joe Diaz, Martha

Milligan, Steve Roberts, Eric Sitiko

The discussion to discuss the signage along the Streetcar System and the regularly scheduled meeting with HART and COT were combined. The meeting began at 1:30 p.m. at 306 E. Jackson Street, 4th Floor Conference Room. A brief self introduction period preceded the meeting.

SIGNAGE DISCUSSION

Color of the signs

Tim Borchers lead the discussion by giving a brief background. Tim stated HART approached the City about 4 years ago requesting the signage to change to what was being used in other streetcar systems in North America. Roy Lamotte requested HART furnish a complete prototype for consideration. We brought a full size sign to one of the meetings, of which is documented in the minutes. The City of Tampa agreed to the sign and approved installation as long as the City of Tampa did not have to pay for them. HART put the signs up and after a couple of days, were told to take them down. Tim expressed a concern that public money was used to purchase these signs and now they are not being used. To perform background research. Tim read the entire 10 chapters of the Manual on Uniform Traffic Control Devices (MUTCD). He has determined that our system is not in compliance (traffic controls), and never has been, with MUTCD. Tim discussed the experimental status process which has a three month time limit. The flow charts detailing the process is on the government web page. Through this process, the City could put up these signs for three months. Ron Phillips agreed the City has to make the signage application but does not know the required information and history. He also agrees the signs are not in compliance. Tim proposed that the City replaces the signs to justify the public funds that were used on the original signs. We then need to make the system compliant. Ron Phillips stated HART wanted symbology, which Eric and Tim replied is allowed. Ron stated to make application for the experimental process symbols must be used that are in the manual. Debbie Herrington stated the problem with our signs is the color. The yellow green florescent is not acceptable. Roy LaMotte told her before he left (employment with the City) that he never approved the color. Tim restated that we presented the actual sign at a meeting attended by Roy LaMotte.



So even though the job of keeping the system safe may sometimes feel like a gigantic, overwhelming task......



OH MY!!!





never never never

(winston churchill)













