

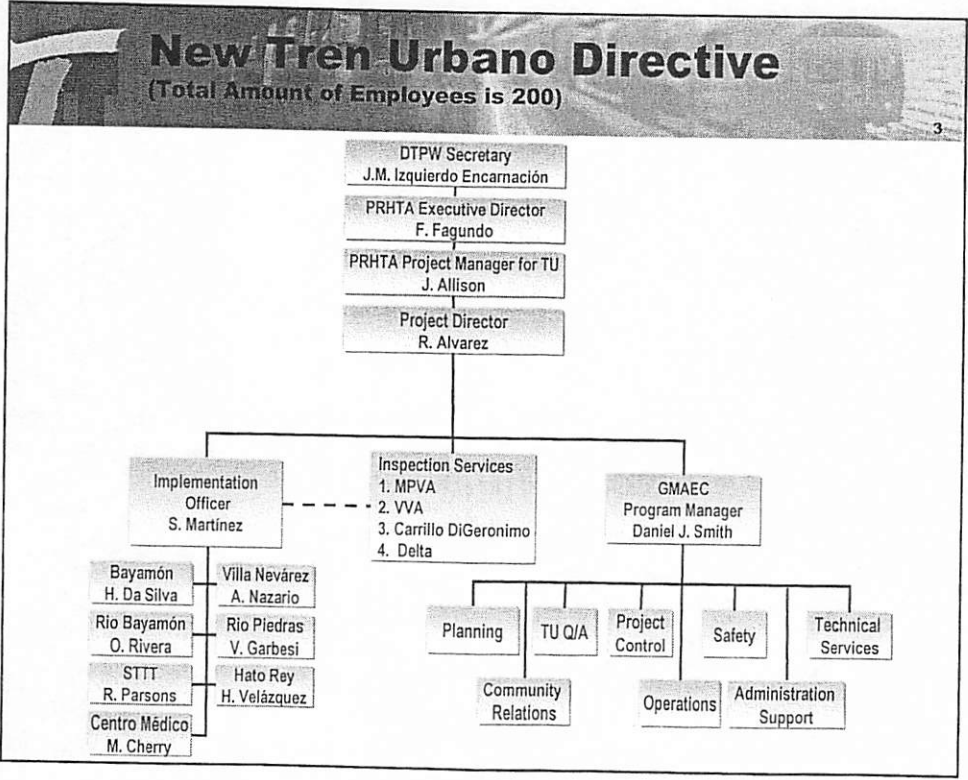
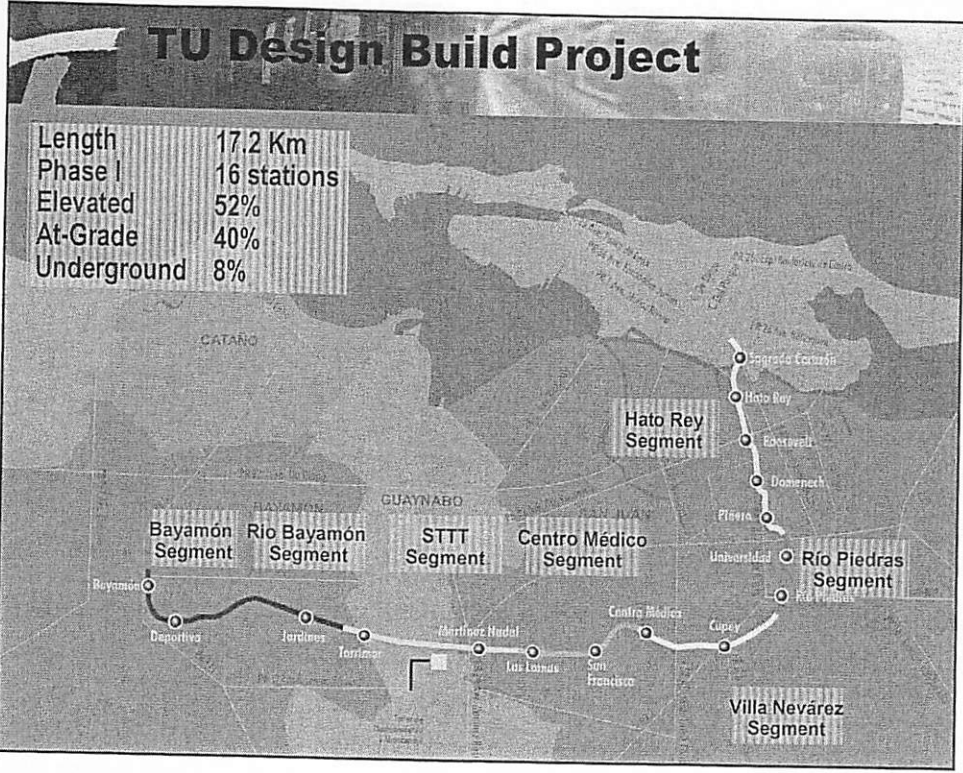
Tren Urbano

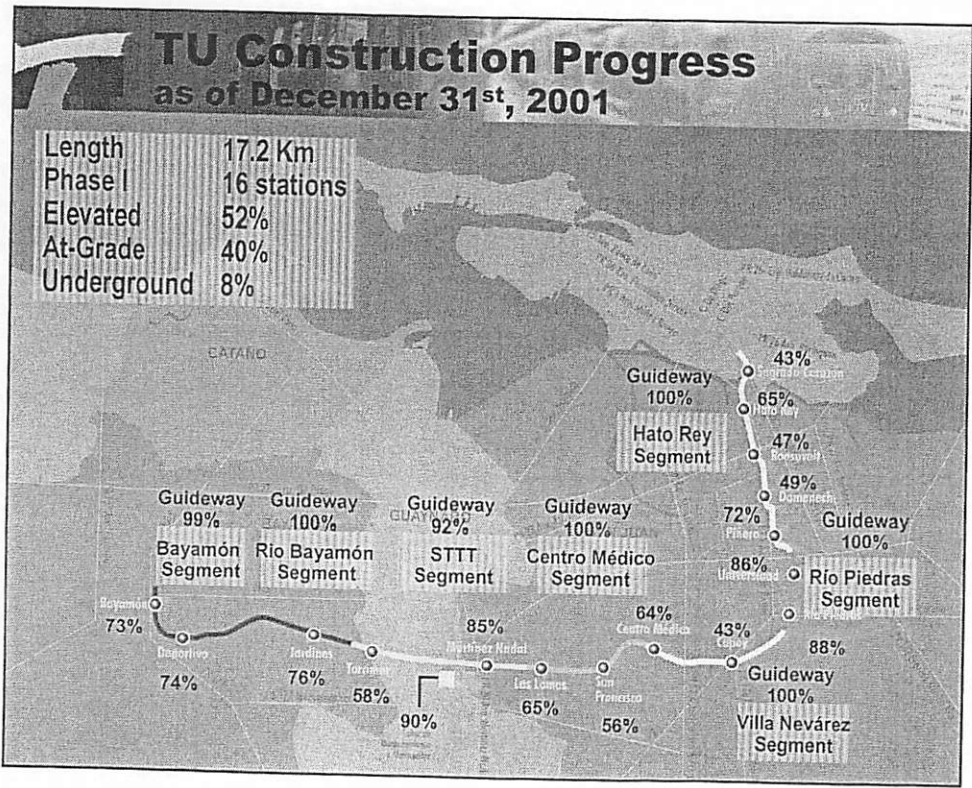
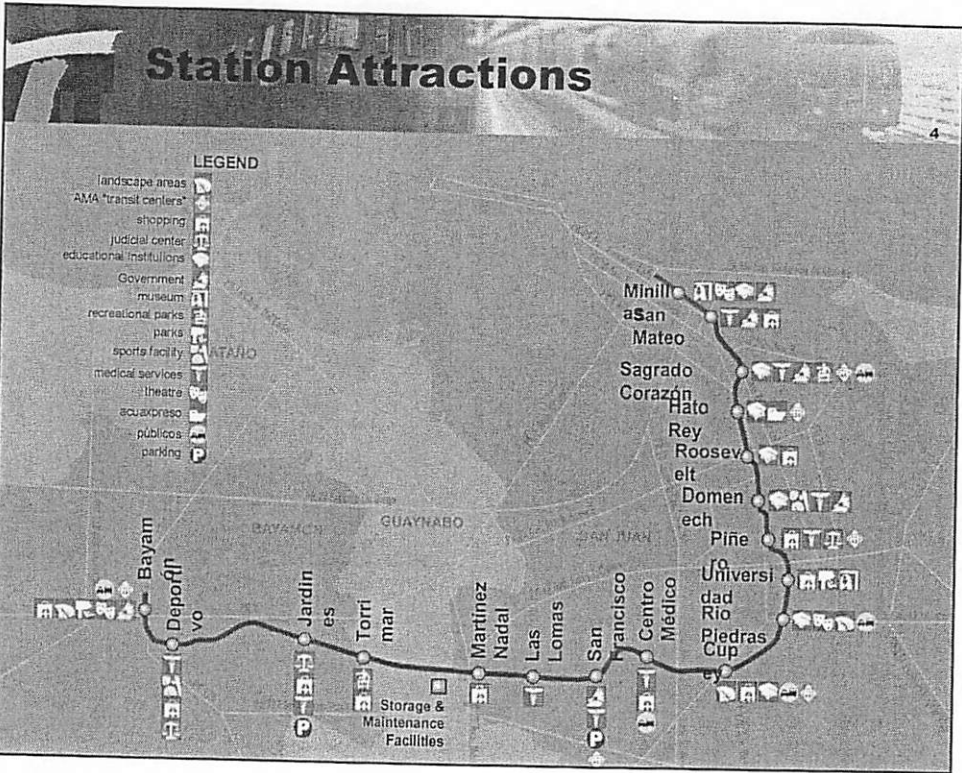
8th UPR - MIT

Conference on Tren Urbano

January 8th, 2002

San Juan, Puerto Rico





Tren Urbano – Progress Report

(As of 12/31/01)

6

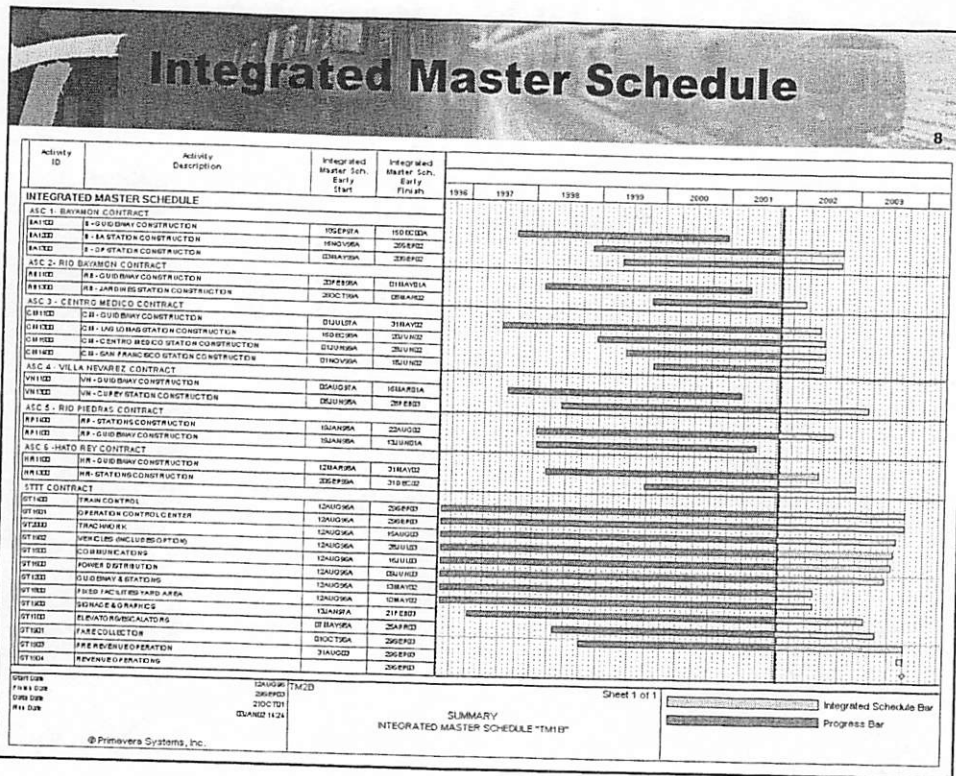
CONTRACT	DESIGN		CONSTRUCTION
	IFC	CA	
Bayamón			
Guideway	100%	100%	99%
Bayamón Station	100%	100%	73%
Deportivo Station	100%	91%	74%
Río Bayamón			
Guideway	100%	100%	100%
Jardines Station	100%	100%	76%
STTT			
Guideway	100%	100%	92%
Torrimar Station	100%	100%	58%
Martínez Nadal Station	100%	100%	85%
Storage & Maintenance Facilities	100%	100%	90%
Centro Médico			
Guideway	100%	100%	100%
Las Lomas Station	100%	98%	65%
San Francisco Station	100%	98%	56%
Centro Médico Station	100%	98%	64%

Tren Urbano – Progress Report

(As of 12/31/01)

7

CONTRACT	DESIGN		CONSTRUCTION
	IFC	CA	
Villa Nevárez			
Guideway	100%	100%	100%
Cupey Station	100%	98%	43%
Río Piedras			
Guideway	100%	100%	100%
Río Piedras Station	100%	100%	88%
Universidad Station	100%	100%	86%
Hato Rey			
Guideway	100%	100%	100%
Piñero Station	100%	85%	72%
Domenech Station	100%	75%	49%
Roosevelt Station	100%	75%	47%
Hato Rey Station	100%	85%	65%
Sagrado Corazón Station	100%	80%	43%



Projected Completion Dates

(As of 12/31/01)

9

CONTRACT	COMPLETION DATE
Bayamón	September 2002
Río Bayamón	March 2002
STTT	September 2003
Centro Médico	June 2002
Villa Nevárez	February 2003
Río Piedras	August 2002
Hato Rey	December 2002

Segment 1- Bayamón

10

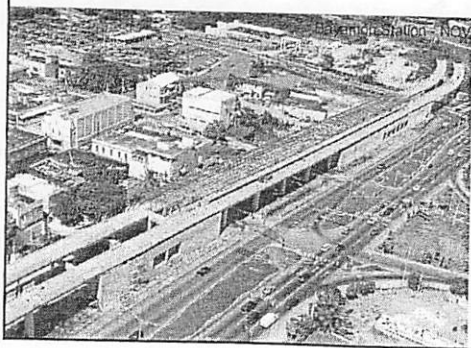


Bayamón Contract

(As of 12/31/01)

11

Description	Design	Construction
Guideway	100 %	99 %
Bayamón	100 %	73 %
Deportivo	90 %	74 %



Bayamón Station Construction Status

12



Deportivo Station Construction Status

13

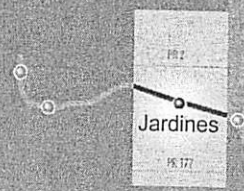


Segment 2- Río Bayamón

14



- Open Cut Section
- San Miguel Bridge
- Retained Cut Section
- Jardines Station
- Access Bridge
- Colectora Central Bridge

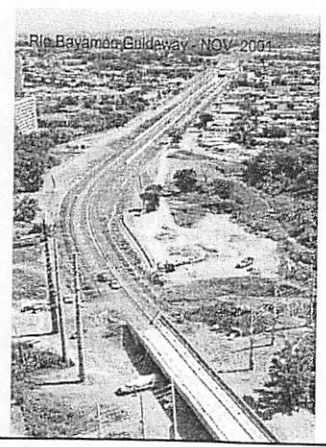


Río Bayamón Contract

(As of 12/31/01)

15

Description	Design	Construction
Guideway	100 %	100 %
Jardines	100 %	76 %

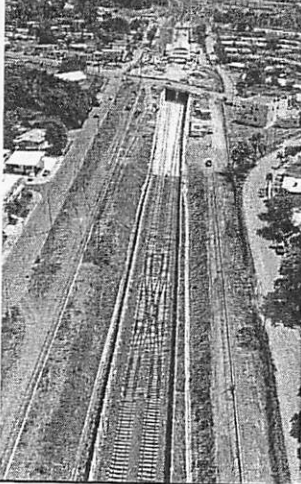




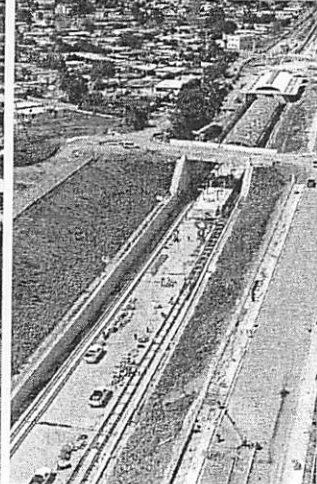
Río Bayamón Contract Track-work

18

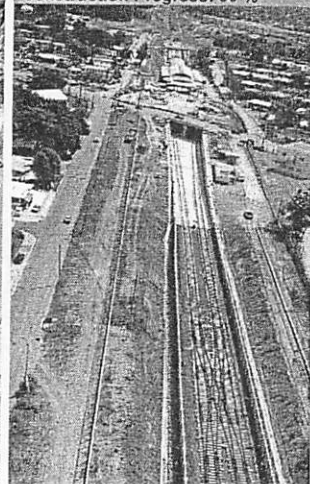
At Grade Section Ballasted Track
Construction Progress: 55 %



Retained Cut Section Direct Fixation
Construction Progress: 80 %

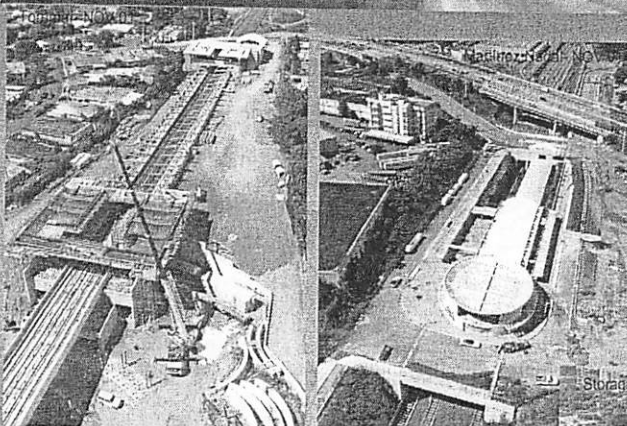


Open Cut Section Ballasted Track
Construction Progress: 80 %



Segment 3- STTT

19



Storage and Maintenance Facilities- NOV 01



STTT Contract

(As of 12/31/01)

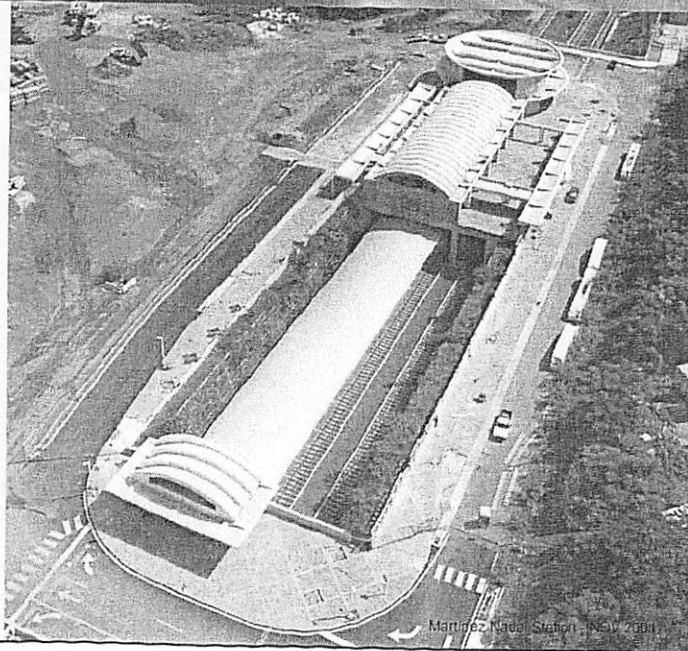
20

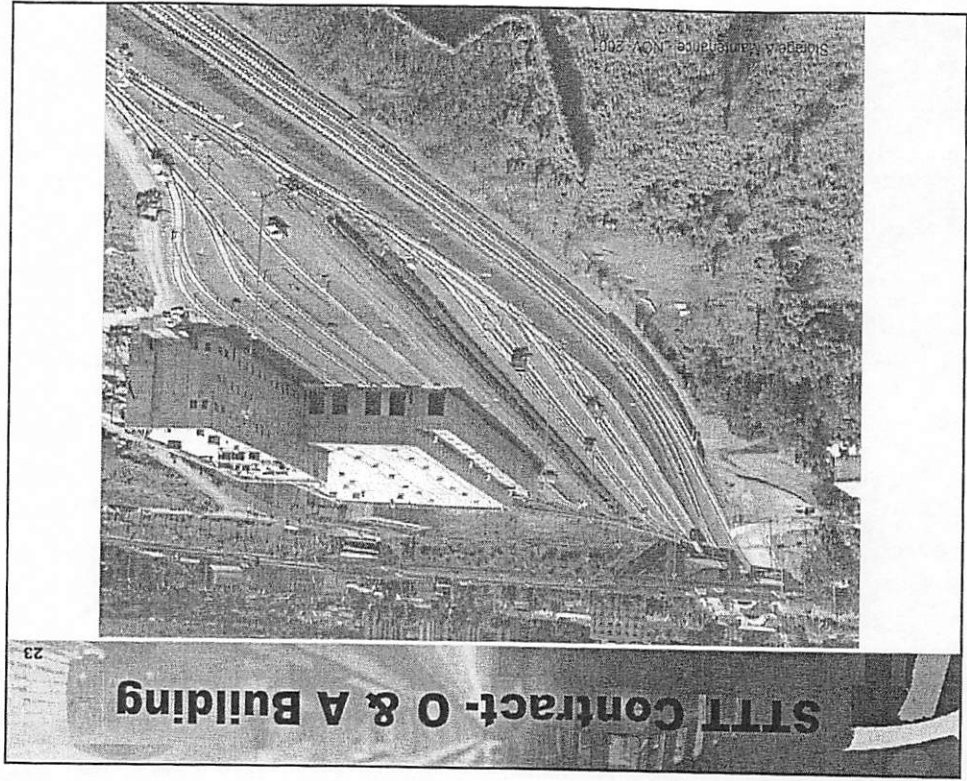
Description	Design	Construction
Guideway Only	100 %	92 %
Torrimar Station	100 %	58 %
Martinez Nadal	100 %	85 %
Storage & Maintenance	100 %	90 %



STTT Contract Martinez Nadal Station

21





STTT Contract Vehicles

24

Married Pairs

32 From Original Contract (6 On Site)

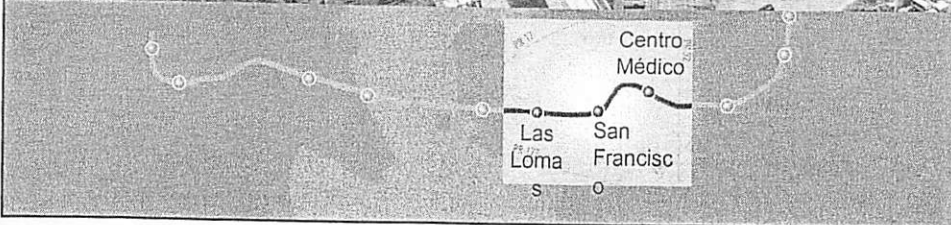
5 Additional by Contract Option

37 Total Married Pairs = 74 Vehicles



Segment 4- Centro Médico

25

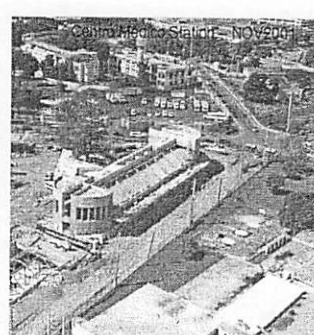
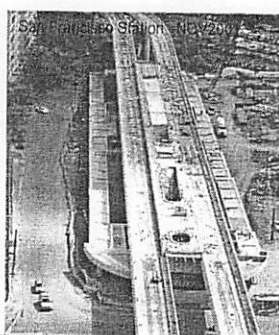


Centro Médico Contract

(As of 12/31/01)

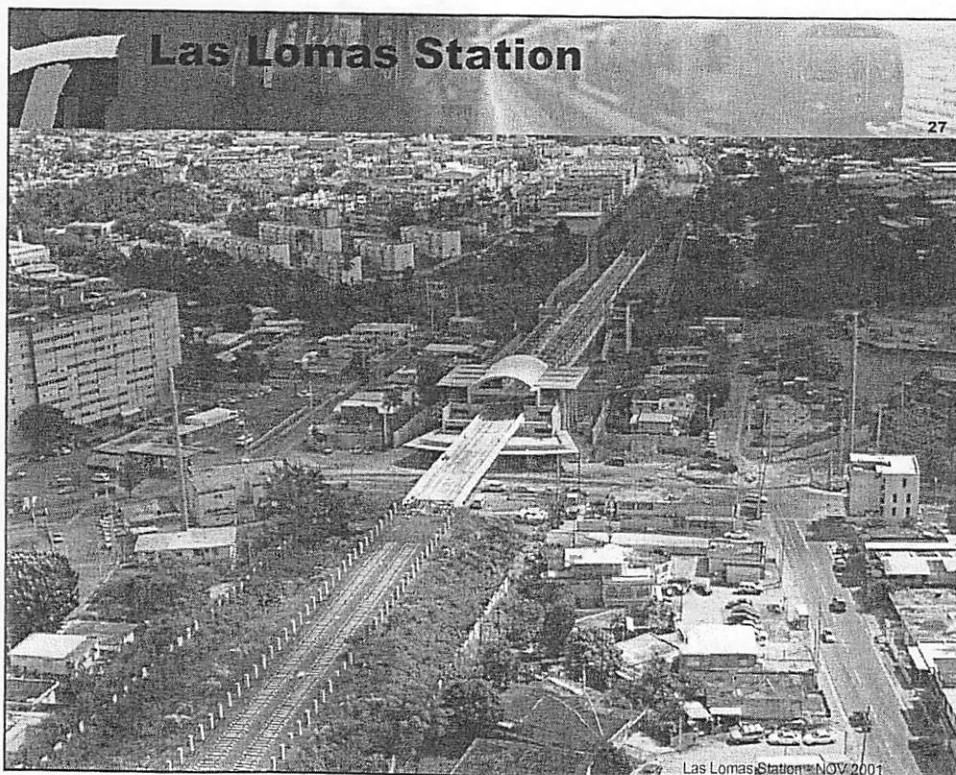
26

Description	Design	Construction
Guideway	100%	100%
Las Lomas Station	100%	65%
San Francisco Station	100%	56%
Centro Médico Station	100%	64%



Las Lomas Station

27



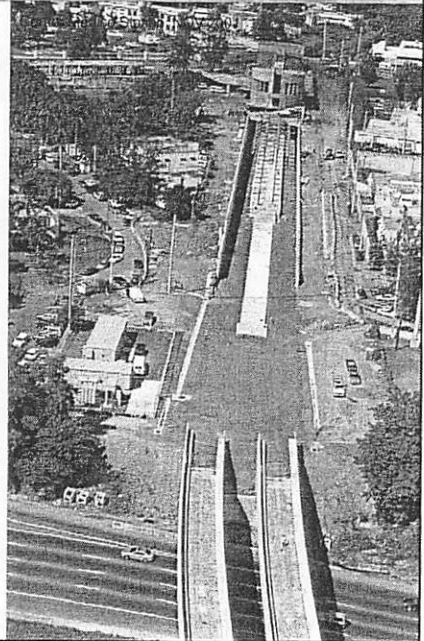
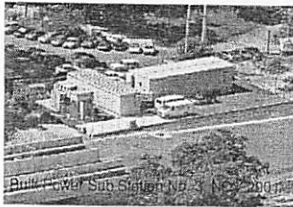
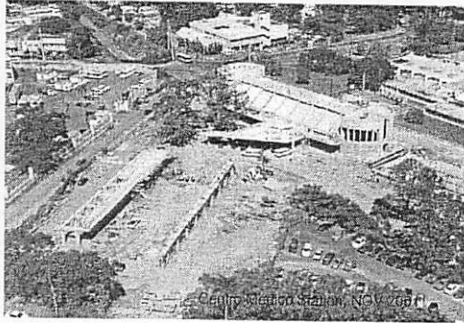
San Francisco Station

28



Centro Médico Station

29



Segment 5- Villa Nevárez

30

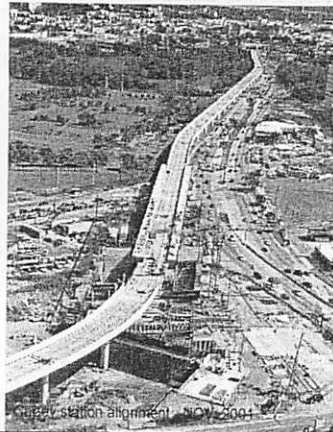


Villa Nevárez Contract

(As of 12/31/01)

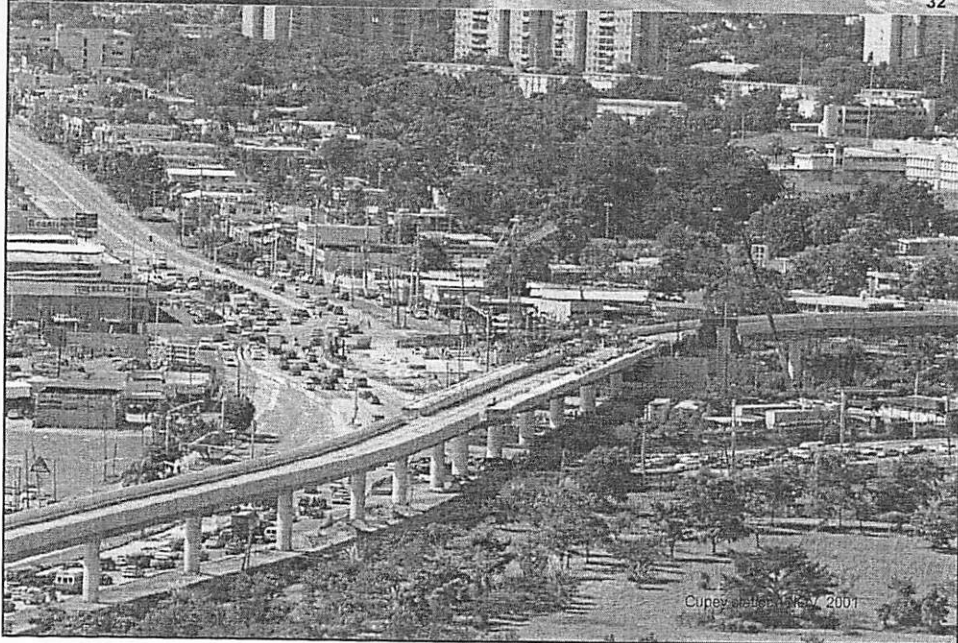
31

Description	Design	Construction
Guideway	95 %	100 %
Cupey	90 %	43 %



Villa Nevárez Contract

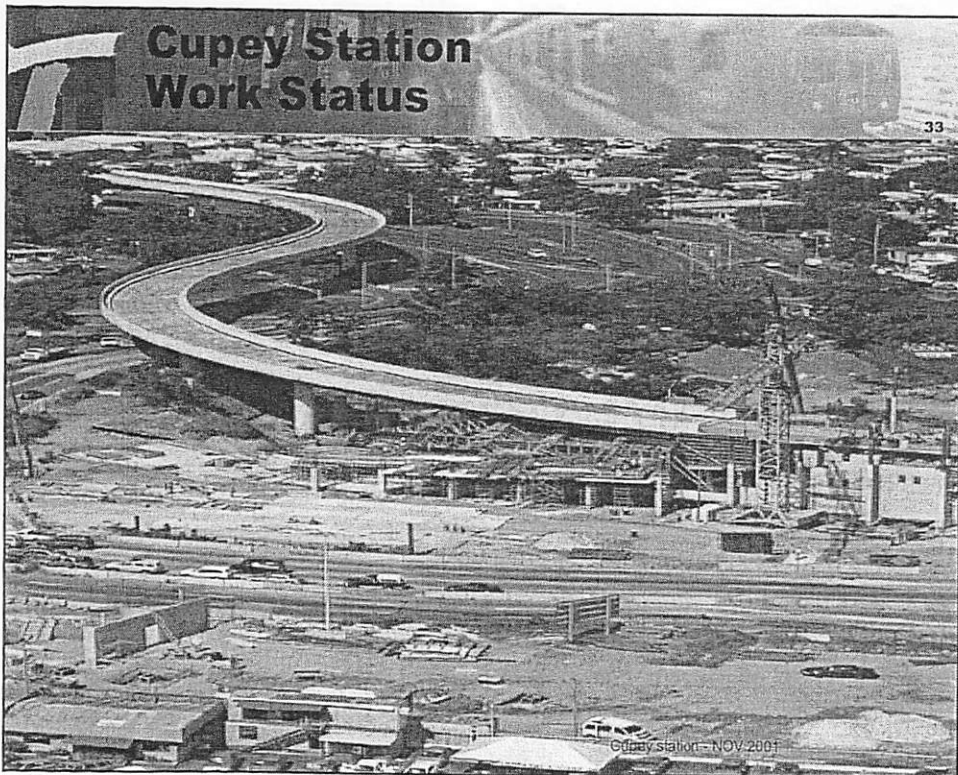
32



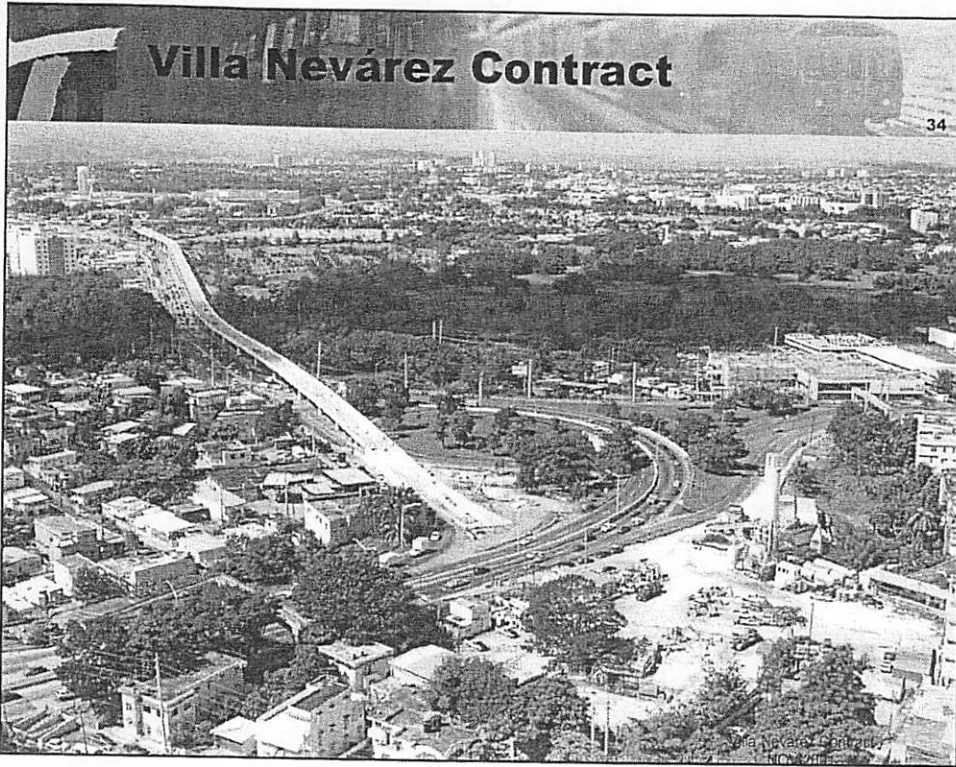
Cupey station - NOV. 2001

Cupey Station Work Status

33



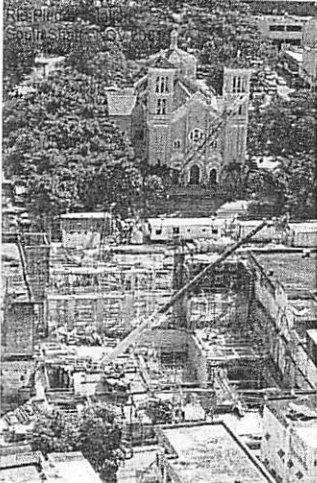

Cupey station - NOV. 2001



Río Piedras Contract

(As of 12/31/01)

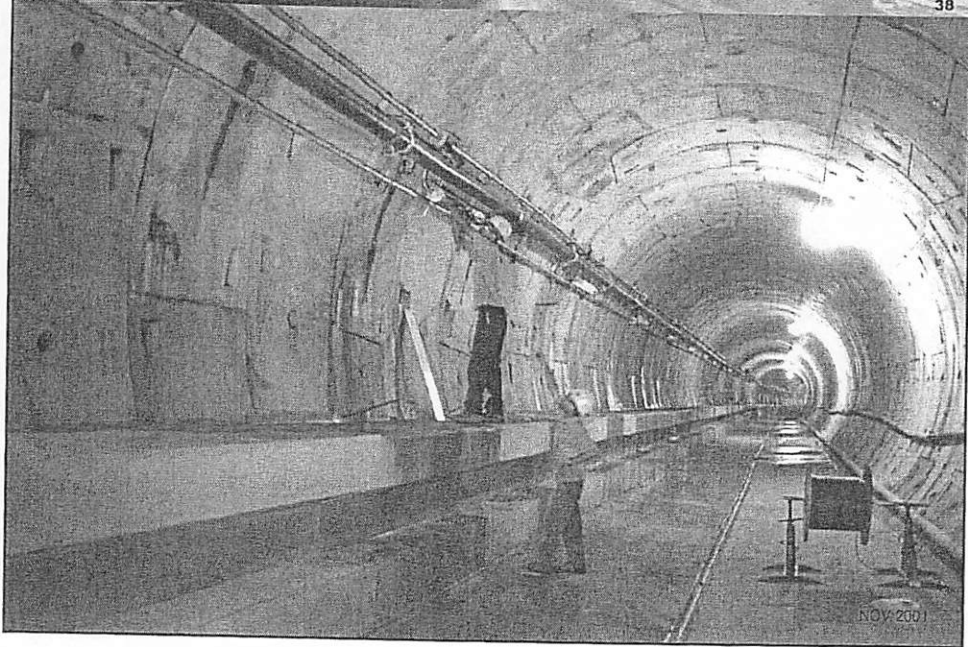
Description	Design	Construction
Guideway	100%	100%
Río Piedras Station	100%	88 %
UPR Station	100%	86 %



Río Piedras Contract
Circular Earth Tunnel (EPB)

38

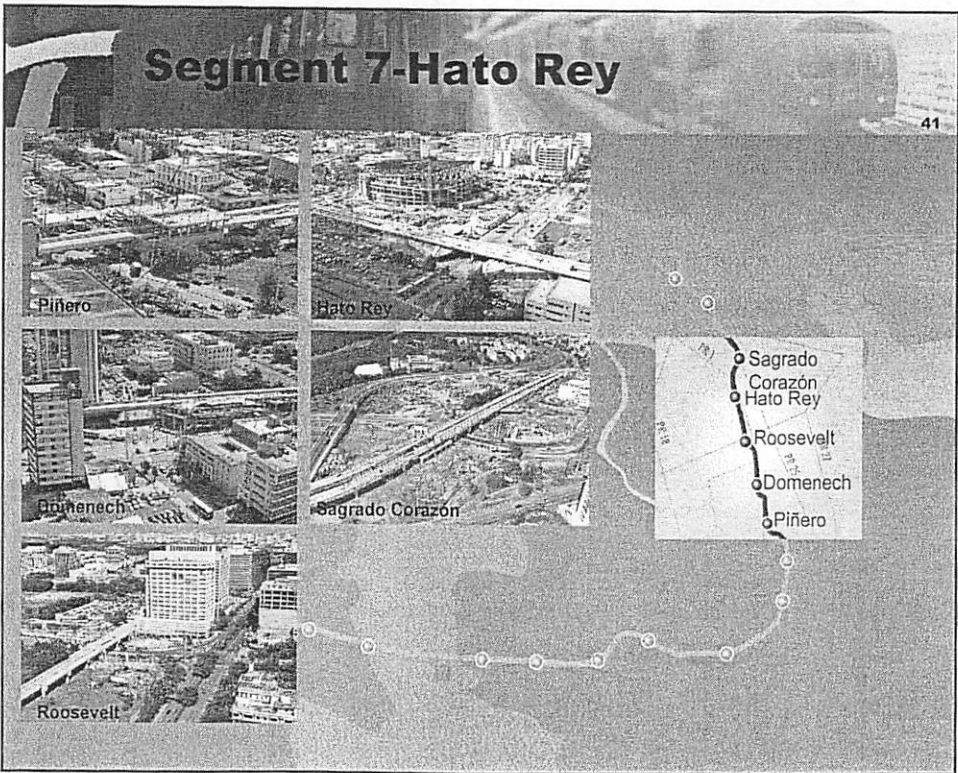
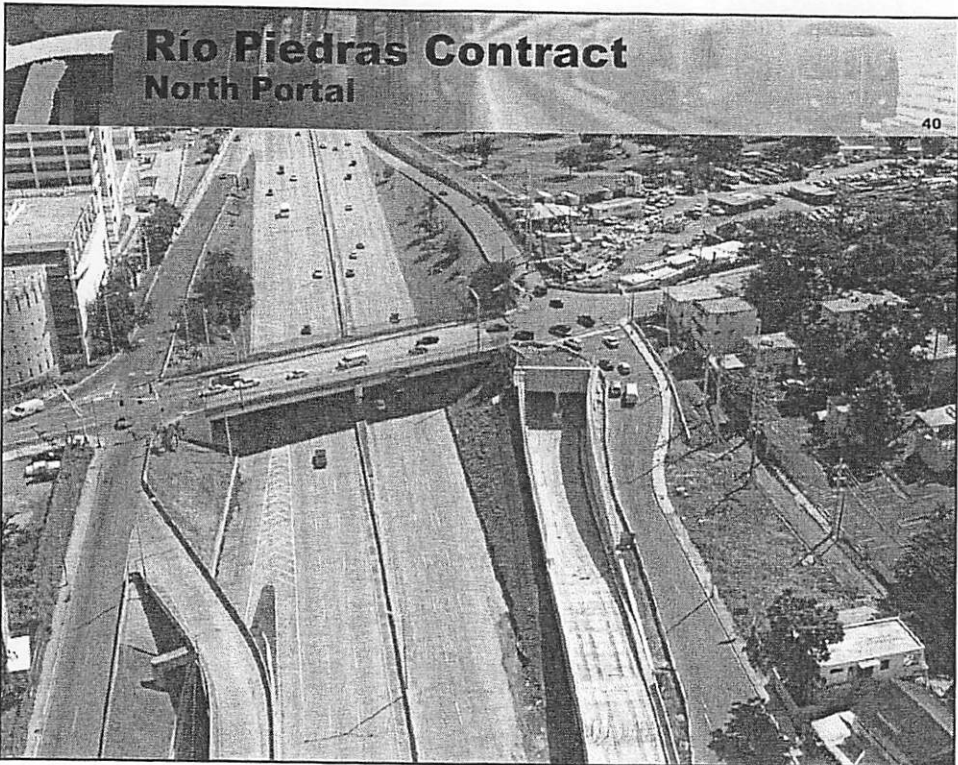


NOV 2001

Río Piedras Contract
Universidad Station

39





Hato Rey Contract

(As of 12/31/01)

42

Description	Design	Construction
Guideway Station	100 % (IFC)	100%
Piñero Station	85 % (IFC)	72 %
Domenech Station	75 % (IFC)	49 %
Roosevelt Station	75 % (IFC)	47 %
Hato Rey Station	85 % (IFC)	65 %
Sagrado Corazón Sta.	80 % (IFC)	43 %



Hato Rey Contract Design Status

43

