



Dade County
Metropolitan Planning
Organization

Dade County
Transit Corridors
Transitional Analysis

Technical Memorandum Task 5:

Capital Cost Estimating Process and Results

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DADE COUNTY TRANSIT CORRIDORS TRANSITIONAL ANALYSIS

TECHNICAL MEMORANDUM

CAPITAL COST ESTIMATING PROCESS AND RESULTS

INTRODUCTION

This technical memorandum documents the capital cost estimating results for the transit improvement alternatives considered as part of the Dade County Transit Corridors Transitional Analysis.

The report provides an overview of the process, identifies the sources of the unit cost data, and provides back-up for the various capital cost estimates that are presented in the study's <u>Corridor Evaluation</u> Report.

CAPITAL COST ESTIMATING APPROACH

Capital costs are one time expenditures to design, construct, and equip the transit improvement alternatives under consideration. The procedures followed were consistent with the level of detail at which the alternatives were defined and are appropriate for the purposes of this study. Each of the alternatives was sketched onto aerial mapping of the various corridors, showing the alignment, stations, and related facilities locations. These locations are representative of where these facilities could be placed for the purposes of developing capital costs estimate. Actual locations would be based on more detailed planning and engineering and community consultation in subsequent phases of a selected project.

Based on these preliminary concept plans, estimates of length of guideway by type (two-track, at-grade or aerial rail, for example), number of stations by type (busway, light rail at-grade, aerial rail) and amount of parking, real estate and related facilities are estimated. Systems costs (propulsion power, signals, and communications) are based on the type and length of guideway, and costs for new, modified, or additional vehicles are based on the results of the operations analysis (see Technical Memorandum Task 5: Operating and Maintenance Cost Estimating Process and Results). To these costs are added costs for real estate (for right-of-way, stations and other facilities) design, construction management, insurance, and agency costs. Finally a contingency cost of twenty percent to cover unanticipated conditions was added.

SOURCES OF UNIT PRICE INFORMATION

- METRORAIL PHASE I, Dade County, Florida
- METROMOVER PHASE I AND PHASE II, Dade County, Florida
- Miami Beach Light Rail Transit
- 1992 Transportation Costs, Florida Department of Transportation, Office of Policy Planning, Economic and Demographic Research and Analysis Section, September 1992.
- Baltimore Central Light Rail Line, Phase I

- 6. Sacramento Light Rail System
- 7. Portland Light Rail System

ORGANIZATION OF REPORT

Exhibit "A" describes capital cost estimate summary for each of the corridors.

Exhibit "B" summarizes alternative total capital cost and capital cost/mile for each of the corridors.

Exhibit "C" provides the detail capital cost computations and that for each of the alternatives in the corridors studied.

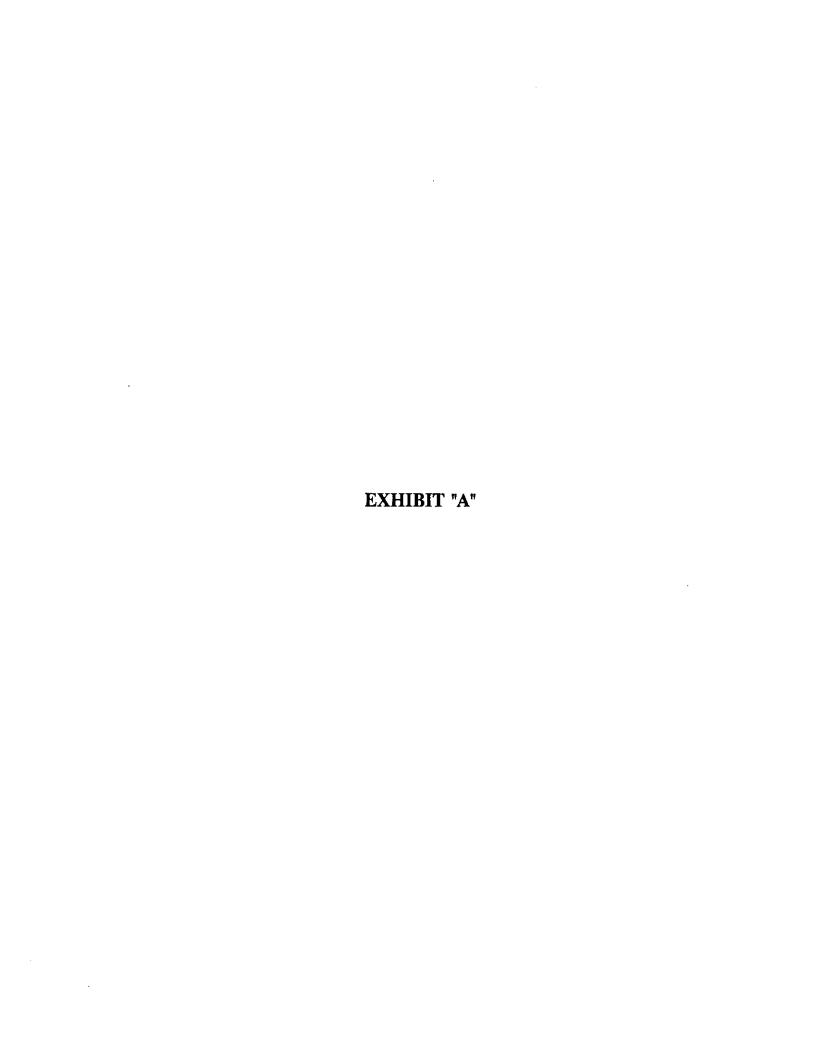
Exhibit "D" shows unit costs for station categories and vehicle types used in capital cost computations.

Exhibit "E" provides detailed station costs, surface parking costs and elevated parking costs for each of the alternatives in the corridors studied.

Exhibit "F" provides capital cost estimate breakdown for the two segments of the South Corridor -- from Dadeland South to Cutler Rider and from Cutler Ridge to Homestead/Florida City with the Surface Parking option.

Exhibit "G" provides capital cost estimate for the South Corridor with at-grade (surface) parking option.

Exhibit "H" provides West Beach Corridor -- Seaport Link only capital cost estimate.



Dade County Transit Corridors Transitional Study Capital Cost Estimate Summary

1. **SOUTH CORRIDOR**

1.1 S1 Busway

This alternative consists of a busway along the F.E.C. right-of-way from the Dadeland South Metrorail station to SW 312th Street in Homestead.

- Length 16.9 miles
- Twelve Stations \$2,400,000
- Park-and-Ride Facilities \$28,200,000
- Vehicle cost saving \$7,200,000
- Total cost \$88,734,000
- Cost per mile \$5,241,000

1.2 S2 Hybrid LRT

This alternative consists of a "Hybrid" LRT along the F.E.C. right-of-way from the Dadeland South Metrorail station to SW 344th Street in Florida city.

- Length 19.6 miles
- Twelve stations \$30,000,000
- Park-and-Ride Facilities \$28,125,000
- Vehicle cost \$40,250,000
- Total cost \$541,763,000
- Cost per mile \$27,611,000

1.3 S3 Metrorail

This alternative consists of an extension of the Metrorail line along the F.E.C. right-of-way from the Dadeland South Metrorail station to SW 344th Street in Florida City.

- Length 19.6 miles
- Ten stations \$100,000,000
- Park-and-Ride Facilities \$30,600,000
- Vehicle cost \$31,650,000
- Total cost \$868,456,000
- Cost per mile \$44,261,000

2. KENDALL CORRIDOR

2.1 K1 Busway

This alternative consists of a reversible busway on the Snapper Creek and Shula Expressways and a reversible bus lane on SW 104th Street.

- Length 7.4 miles
- Six Stations \$1,200,000
- Two Park-and-Ride Facilities \$3,000,000
- Vehicle cost saving \$8,600,000
- Total cost \$22,003,000
- Cost per mile \$2,993,000

2.2 K2 Hybrid LRT

The Hybrid LRT alternative would operate in the median of Kendall Drive.

- Length 7.1 miles
- Seven stations \$17,500,000
- Four Park-and-Ride Facilities \$25,500,000
- Vehicle cost \$58,050,000
- Total cost \$348,373,000
- Cost per mile \$48,791,000

2.3 K3 Metrorail

This alternative consists of an extension of the Metrorail line on the Snapper Creek Expressway and Kendall Drive.

- Length 7.8 miles
- Six stations \$90,000,000
- Four Park-and-Ride Facilities \$30,075,000
- Vehicle cost \$18,900,000
- Total cost \$474,586,000
- Cost per mile \$60,732,000

3. North Corridor

3.1 N1 Busway

This alternative consists of a reversible bus lane in the median of NW 27th Avenue.

- Length 7.8 miles
- Eight stations \$1,600,000
- Three Park-and-Ride Facilities \$4,950,000
- Vehicle cost saving \$8,200,000
- Total cost \$30,571,000
- Cost per mile \$3,930,000

3.2 N2 Metrorail

This alternative consists of an extension of the Metrorail line north on NW 27th Avenue to NW 215th Street.

- Length 9.5 miles
- Seven stations \$105,000,000
- Six Park-and-Ride Facilities \$16,350,000
- Vehicle cost \$4,650,000
- Total cost \$495,478,000
- Cost per mile \$52,349,000

3.3 N3 Metrorail

This alternative consists of an extension of the Metrorail line to NW 215th Street via NW 27th Avenue.

- Length 11.6 miles
- Seven stations \$92,500,000
- Six Park-and-Ride Facilities \$19,050,000
- Vehicle cost \$2,650,000
- Total cost \$529,974,000
- Cost per mile \$45,836,000

4. Northeast Corridor

4.1 NE1 Busway

This alternative consists of a busway in the F.E.C. right-of-way from downtown Miami to NE 199th Street.

- Length 12.8 miles
- Fifteen stations \$3,000,000
- Four Park-and-Ride Facilities \$22,700,000
- Vehicle cost saving \$9,600,000

- Total cost \$87,679,000
- Cost per mile \$6,831,000

4.2 NE2 "Regular" LRT

This alternative consists of a "Regular" LRT line in the F.E.C. right-of-way which terminates in downtown Miami.

- Length 12.7 miles
- Thirteen stations \$32,500,000
- Four Park-and-Ride Facilities \$15,075,000
- Vehicle cost \$20,800,000
- Total cost \$395,716,000
- Cost per mile \$31,220,000

4.3 NE3 "Hybrid" LRT

This alternative consists of a "Hybrid" LRT line in the F.E.C. right-of-way which branches from the Stage-I Metrorail line.

- Length 12.8 miles
- Twelve stations \$30,000,000
- Four Park-and-Ride Facilities \$19,725,000
- Vehicle cost \$38,850,000
- Total cost \$439,409,000
- Cost per mile \$33,382,000

4.4 NE4 Metrorail

This alternative consists of an extension of Metrorail from Overtown station to NE 199th Street on the F.E.C. right-of-way.

- Length 12.8 miles
- Nine stations \$90,000,000
- Four Park-and-Ride Facilities \$25,200,000
- Vehicle cost \$31,950,000
- Total cost \$653,053,000
- Cost per mile \$51,216,000

5. Miami Beach Corridor

This alternative consists of an LRT alignment across MacArthur Causeway to 71st Street in Miami Beach.

- Length 9.3 miles
- Twenty-Four stations \$9,197,000
- Three Park-and-Ride Facilities \$2,340,000
- Vehicle cost \$46,800,000
- Total cost \$288,883,000
- Cost per mile \$31,083,000

6. West Corridor

6.1 W1 Metrorail

This alternative consists of a Metrorail line along SR 836, through the Airport Multimodal Center, to the Stage-I Metrorail line at Earlington Heights.

- Length 12.4 miles
- Eight stations \$85,000,000
- Seven Park-and-Ride Facilities \$19,875,000
- Vehicle cost \$64,800,000
- Total cost \$60 09,000
- Cost per mile \$48,938,000

6.2 W2 "Hybrid" LRT

This alternative consists of a "Hybrid" LRT or Metrorail alignment along SR 836 and a branch to the Airport Multimodal Center.

- Length 14.1 miles
- Twelve stations \$145,000,000
- Seven Park-and-Ride Facilities \$23,250,000
- Vehicle cost \$65,000,000
- Total cost \$760,753,000
- Cost per mile \$54,134,000

6.3 W3 "Hybrid" LRT

This alternative consists of a "Hybrid" LRT alignment along SR 836, the Blue Lagoon area and SW 8th Street, and a branch to the Airport Multimodal Center.

- Length 14.7 miles
- Fourteen stations \$112,500,000
- Eight Park-and-Ride Facilities \$22,200,000
- Vehicle cost \$72,600,000
- Total cost \$712,982,000

• Cost per mile \$48,450,000

6.4 W4 Flagler LRT

This alternative consists of a "Regular" LRT alignment on Flagler Street and SW 8th Street.

- Length 13.8 miles
- Twenty stations \$21,400,000
- Six Park-and-Ride Facilities \$16,050,000
- Vehicle cost \$85,600,000
- Total cost \$513,614,000
- Cost per mile \$37,302,000

7. West Beach Corridor

7.1 WB1 via Metrorail

This "Hybrid" LRT alternative includes an exclusive right-of-way from F.I.U. to the Stage-I Metrorail line at Earlington Heights via SR 836 and the Airport Multimodal Center, an elevated line from the Metrorail line at Overtown station through the CBD, at-grade alignment across MacArthur Causeway to the Convention Center (20th Street) in Miami Beach, and a branch to the Seaport.

- Length 20.0 miles
- Twenty-Six stations \$142,500,000
- Eight Park-and-Ride Facilities \$25,425,000
- Vehicle cost \$152,750,000
- Total cost \$979,013,000
- Cost per mile \$48,997,000

7.2 WB2 "Hybrid" LRT

This alternative includes an exclusive right-of-way from F.I.U. to Downtown Miami along SR 836 and the Miami River, at an-grade alignment across MacArthur Causeway to the Convention Center (20th Street) in Miami Beach, and branches to Airport and Seaport.

- Length 21.8 miles
- Twenty-Five stations \$217,500,000
- Eight Park-and-Ride Facilities \$25,725,000
- Vehicle cost \$89,800,000
- Total cost \$1,119,052,000
- Cost per mile \$51,469,000

7.3 WB3 "Hybrid" LRT

This alternative includes an exclusive right-of-way from F.I.U. to Downtown Miami and the seaport along SR 836 and the Miami River, a tunnel under Government Cut, an at-grade alignment to the Convention Center (20th Street) in Miami Beach, and a branch to the Airport Multimodal Center.

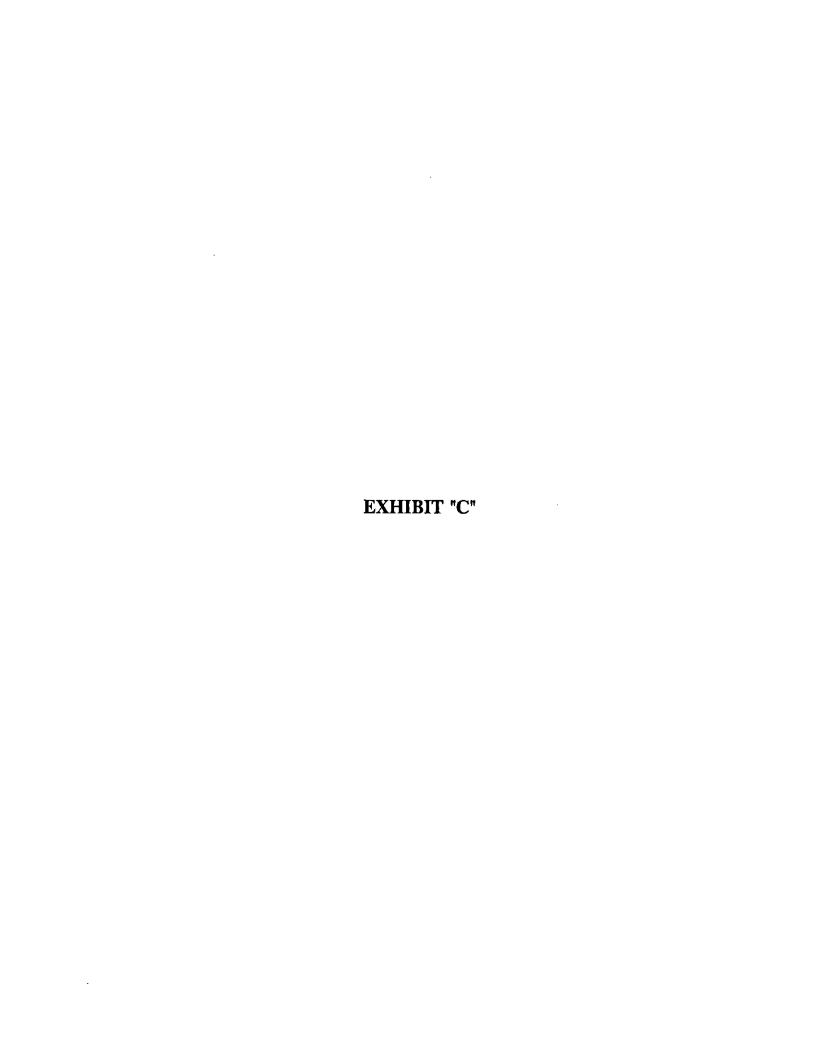
- Length 21.7 miles
- Nineteen stations \$187,500,000
- Eight Park-and-Ride Facilities \$22,425,000
- Vehicle cost \$79,800,000
- Total cost \$1,208,179,000
- Cost per mile \$58,417,000

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EXHIBIT "B"

Alternative	Cost	Cost per Mile
TSM/Base	N/A	N/A
S1 Busway	\$88,734,000	\$5,241,000
S2 "Hybrid" LRT	\$541,763,000	\$27,611,000
S3 Metrorail	\$868,456,000	\$ 44,261,000
K1 Busway	\$22,003,000	\$2,993,000
K2 "Hybrid" LRT	\$348,373,000	\$48,791,000
K3 Metrorail	\$474,586,000	\$ 60,732,000
N1 Busway	\$30,571,000	\$3,930,000
N2 Metrorail	\$ 495,478,000	\$ 52,349,000
N3 Metrorail	\$529,974,000	\$ 45,836,000
NE1 Busway	\$87,379,000	\$6,807,000
NE2 "Regular" LRT	\$395,716,000	\$ 31,220,000
NE3 "Hybrid" LRT	\$439,409,000	\$33,382,000
NE4 Metrorail	\$653,053,000	\$ 51,216,000
B1 LRT	\$288,883,000	\$31,063,000
W1 Metrorail	\$604,309,000	\$ 48,938,000
W2 "Hybrid" LRT	\$760,753,000	\$ 54,134,000
W3 "Hybrid" LRT	\$712,982,000	\$ 48,450,000
W4 Flagler LRT	\$513,614,000	\$37,302,000
WB1 via Metrorail	\$979,013,000	\$48,997,000
WB2 "Hybrid" LRT	\$1,119,052,000	\$ 51,469,000
WB3 "Hybrid" LRT	\$1,208,179,000	\$ 58,417,000

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 				South C	orridor w	ith Elevated	Parking	· · · · · · · · · · · · · · · · · · ·	
			S		S		S	3	
			· · · · · · · · · · · · · · · · · · ·		*Н	ybrid"			
	Units of		Bu	sway	Li	RT	Metrorail		
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost	
Guideway At - Grade	miles	\$7,000,000			19.24	\$134,680,000		\$0	
Guideway Elevated	miles	\$15,000,000					1924	\$288,600,000	
Tail Tracks	miles	\$10,000,000			0.38	\$3,800,000	0.38	\$3,800,000	
Special Structures	lump sum								
Busway At-Grade	miles	\$2,112,000	16.93	\$35,756,000					
Busway Elevated .	miles								
Guideway/Busway Total	miles	1	16.93	\$ 35,756,000	19.62	\$138,480,000	19.62	\$292,400,000	
Systems	feet	\$1,200			103,600	\$124,320,000	103,600	\$124,320,000	
Stations	lump sum			\$2,400,000		\$30,000,000		\$100,000,000	
Parking	lump sum			\$28,200,000		\$28,125,000		\$30,600,000	
Vehicles	lump sum			(\$7,200,000)		\$40,250,000		\$31,650,000	
Sub Total				\$59,156,000		\$ 361,175,000		\$578,970,000	
Design/CM/Admin.		@ 21%		\$12,423,000		\$75,847,000		\$121,584,000	
Insurance		@ 4%		\$2,366,000		\$14,447,000		\$23 ,159,000	
Right of Way	lump sum								
Sub Total				\$73,945,000		\$451,469,000		\$723,713,000	
Contingency		@20%		\$14,789,000		\$90,294,000		\$144,743,000	
Grand Total				\$88,734,000		\$541,763,000		\$868,456,000	
Cost/Mile	· -			\$5,241,000		\$27,611,000		\$44,261,000	

	<u> </u>				Kendall (Corridor			
		i	K	1	K	2	K	2	
					"H	ybrid"			
	Units of		Bu	sway	LI	RT	Мс	trorail	
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost	
Guideway At-Grade	miles	\$7,00 <u>0,000</u>			6.63	\$46,410,000	1.73	\$12,110,000	
Guideway Elevated	miles	\$15,000,000			0.32	\$4,800,000	5.89	\$88,350,000	
Tail Tracks	miles	\$10,000,000			0.19	\$1,900,000	0.19	\$1,900,000	
Special Structures	lump sum								
Busway At-Grade	miles	\$2,112,000	6.31	\$13,327,000					
Busway Elevated .	miles	\$4,752,000	1.04	\$4,942,000					
Guideway/Busway Total	miles	,	7.35	\$18,269,000	7.14	\$53,110,000	7.81	\$102,360,000	
Systems	feet	\$1,200			37,700	\$45,240,000	41,260	\$49,512,000	
Stations .	lump sum			\$1,200,000		\$17,500,000		\$90,000,000	
Parking	lump sum			\$3,000,000		\$25,500,000		\$30,075,000	
Vehicles	lump sum			(\$8,600,000)		\$58,050,000		\$18,900,000	
Sub Total				\$13,869,000		\$199,400,000		\$290,847,000	
Design/CM/Admin.		@ 21%		\$2,912,000		\$41,874,000		\$61,078,000	
Insurance		@ 4%		\$555,000		\$7,976,000		\$11,634,000	
Right of Way	tump sum			\$1,000,000		\$41,061,000		\$31,929,000	
Sub Total				\$18,336,000		\$290,311,000		\$395,488,000	
Contingency		@20%		\$3,667,000		\$58,062,000		\$79,098,000	
Grand Total				\$22,003,000		\$348,373,000		\$474,586,000	
Cost/Mile				\$2,993,000		\$48,791,000		\$60,732,000	

			<u> </u>		North Co	orridor			
			1	N1		N2	ì	1 3	
	Units of		Bust		D	irect rorail	Golden Glades Metrorail		
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost	
Guideway At - Grade	miles	\$7,000,000			-		1.47	\$10,290,000	
Guideway Elevated	miles	\$15,000,000			9.28	\$139,200,000	9.91	\$148,650,000	
Tail Tracks	miles	\$10,000,000			0.19	\$1,900,000	0.19	\$1,900,000	
Special Structures	lump sum				- "				
Busway At - Grade	miles	\$2,112,000	¹ 7.78	\$16,431,000					
Busway Elevated	miles								
Guldeway/Busway Total_	miles		7.78	\$16,431,000	9.47	\$141,100,000	1157	\$160,840,000	
Systems	feet	\$1,200			49,975	\$59,970,000	61,050	\$73,260,000	
Stations	lump sum			\$1,600,000		\$105,000,000		\$92,500,000	
Parking	lump sum			\$4,950,000		\$16,350,000		\$19,050,000	
Vehicles	lump sum			(\$8,200,000)		\$4,650,000		\$2,650,000	
Sub Total				\$14,781,000		\$327,070,000		\$348,300,000	
Design/CM/Admin.		@ 21%		\$3,104,000		\$68,685,000		\$73,143,000	
Insurance		@ 4%		\$591,000		\$13,083,000		\$13,932,000	
Right of Way	lump sum			\$7,000,000		\$4,060,000		\$6,270,000	
Total				\$25,476,000		\$412,898,000		\$441,645,000	
Contingency		@20%		\$5,095,000		\$82,580,000		\$88,329,000	
Grand Total	<u> </u>			\$30,571,000		\$495,478,000		\$529,974,000	
Cost/Mile				\$3,930,000		\$52,349,000		\$ 45,836,000	

						Northeast Co	orridor			
			1	NE1		NE2	ì	NE3	l	NE4
					"Re	gular"	"Hyb	rid"		
	Units of		Bw	iway	<u> </u>	RT	LR	T	Metrorail	
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Totai Cost	Quantity	Total Cost
Guideway At-Grade	miles	\$7,000,000			12.68	\$88,760,000	10.79	\$75,530,000		
Guideway Elevated	miles	\$15,000,000					1.77	\$26,550,000	12.56	\$188,400,000
Tail Tracks	miles	\$10,000,000				\$10,045,000	0.19	\$1,900,000	0.19	\$1,900,000
Special Structures	lump sum					•				
Busway At-Grade	miles	\$2,112,000	12.84	\$27,118,000						
Busway Elevated	miles									•
Guideway/Busway Total	miles		12.84	\$27,118,000	12.68	\$98,805,000	12.75	\$103,980,000	12.75	\$190,300,000
Systems	feet	\$1,200		1	66,925	\$80,310,000	69,500	\$83,400,000	67,325	\$80,790,000
Stations	lump sum			\$3,000,000		\$32,500,000		\$30,000,000		\$90,000,000
Parking	lump sum	I		\$22,700,000		\$15,075,000		\$19,725,000		\$25,200,000
Vehicles	lump sum			(\$9,600,000)		\$20,800,000		\$38,850,000		\$31,950,000
Sub Total				\$43,218,000		\$247,490,000		\$275,955,000		\$418,240,000
Design/CM/Admin.		@ 21%		\$9,076,000		\$51,973,000		\$57,951,000		\$87,830,000
Insurance		@ 4%		\$1,729,000		\$9,900,000		\$11,038,000		\$16,730,000
Right of Way	lump sum			\$18,793,000		\$20,400,900		\$21,230,000	100 100 100 100 100 100 100 100 100 100	\$21,411,000
Total		<u> </u>		\$72,816,000		\$329,763,000		\$366,174,000		\$544,211,000
Contingency		@20%		\$14,563,000		\$65,953,000		\$73,235,000		\$108,842,000
Grand Total		<u></u>		\$87,379,000		\$395,716,000		\$439,409,000		\$653,053,000
Cost/Mile				\$6,807,000		\$31,220,000		\$33,382,000		\$51,216,000

			Miami Bea	ich Corridor				
			B1					
			MacAr	thur				
			Cause	way				
	Units of	ļ	LR'	r				
Cost Categories	Мезячте	Unit Cost	Quantity	Total Cost **				
Guideway At - Grade	miles			\$58,626,000				
Tail tracks	miles			\$10,045,000				
Special Structures								
Guideway Total				\$68,671,000				
Systems	feet			\$28,649,000				
Stations				\$9,197,000				
Parking	•			\$2,340,000				
Vehicles				\$46,800,000				
Sub Total				\$155,657,000				
Design/CM/ADMN		@ 19%		\$29,575,000				
Insurance		@ 4%		\$6,226,000				
Right of Way				\$45,331,000				
Total Project				\$236,789,000				
Contingency		@ 22%		\$52,094,000				
Grand Total		ı		\$288,883,000				
Cost/Mile				\$31,063,000				

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^{••} Reflects cost estimate prepared for Miami Beach Light Rail Line, December 1988, and expressed in 1992 dollars.

·						West Corri	dor			
						-	W 1			
			Meti	rorail	Mcti	rorail	Mcti	oraii	Meti	orail
			Sout	South of		h of	Nort	h of	South of	
			S.R.	836	S.R.	836	S.R.	836	S.R.	836
			Airport	Route	Airport	Route	Airport	Route	Airport	Route
	Units of		Site	. 4	Site	4	Site	5	Site	5
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Guideway At - Grade	miles	\$7,000,000	5.06	\$35,420,000	5.06	\$35,420,000	5.06	\$35,420,000	5.06	\$35,420,000
Guideway Elevated	miles	\$15,000,000	6.70	\$100,500,000	6.85	\$102,750,000	6.83	\$102,450,000	6.72	\$100,800,000
Tail Tracks	miles	\$10,000,000	0.57	\$5,700,000	0.57	\$5,700,000	0.57	\$5,700,000	0.57	\$5,700,000
Special Structures	lump sum		0.05	\$638,000					0.05	\$638,000
Guideway Total	miles		12.33	\$142,258,000	12.48	\$143,870,000	12.46	\$143,570,000	12.35	\$142,558,000
Systems	feet	\$1,200	65,100	\$78,120,000	65,900	\$79,080,000	65,800	\$78,960,000	65,200	\$78,240,000
Stations	lump sum			\$85,000,000		\$85,000,000		\$85,000,000		\$85,000,000
Parking	lump sum	-		\$19,875,000		\$19,875,000		\$19,875,000		\$19,875,000
Vehicles	lump sum			\$64,800,000		\$ 64,800,000		\$64,800,000		\$64,800,000
Sub Total				\$390,053,000		\$392,625,000		\$392,205,000		\$390,473,000
Design/CM/Admin.	0.0000000000000000000000000000000000000	@ 21%		\$81,911,000		\$82,451,000		\$82,363,000	50 (508) 8 (50) (50) (50)	\$81,999,000
Insurance		@ 4%		\$15,602,000		\$15,705,000		\$15,688,000	l	\$15,619,000
Right of Way	tump sum			\$15,500,000		\$15,500,000		\$15,500,000		\$15,500,000
Total				\$503,066,000		\$506,281,000		\$505,756,000		\$503,591,000
Contingency		@ 20%		\$100,613,000		\$101,256,000		\$101,151,000		\$100,718,000
Grand Total			•	\$603,679,000		\$607,537,000		\$606,907,000		\$604,309,000
Cost/Mile				\$48,962,000		\$48,677,000		\$ 48,700,000		\$48,938,000

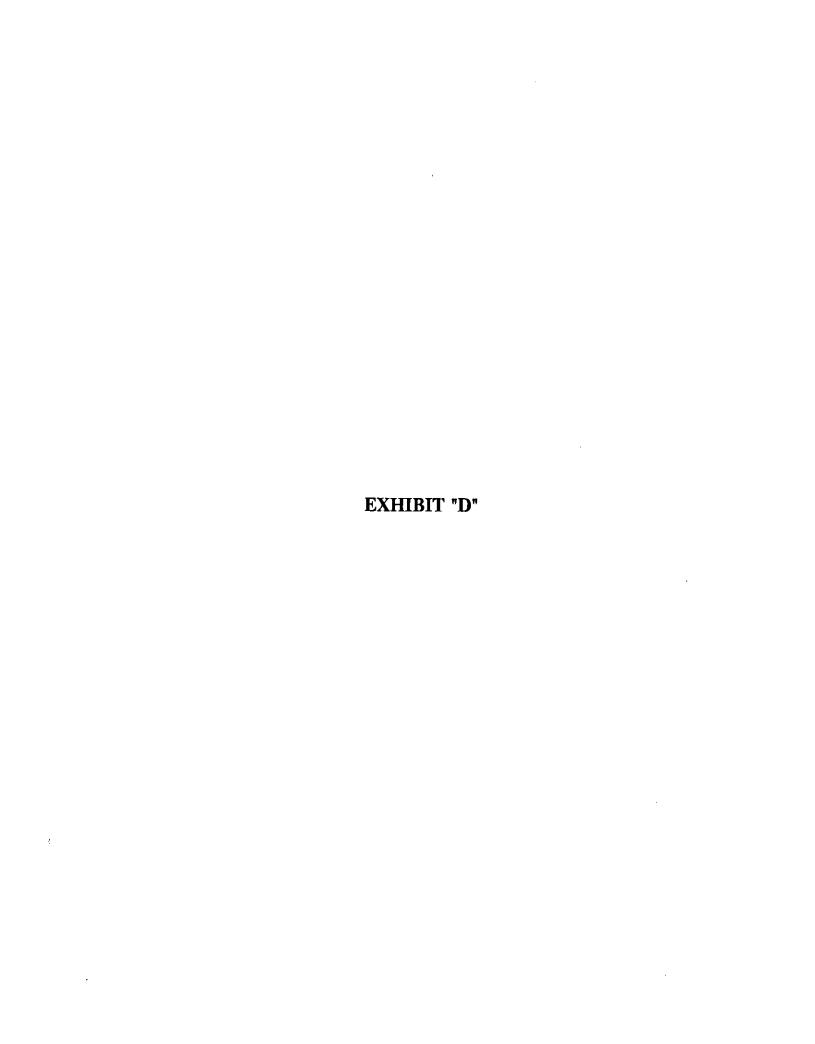
					West Corri	dor
					W2	
			Meti	rorail	Meti	rorail
	1		Nor	th of	Sou	th of
			S.R	836	S.R	. 836
			Sou	thern	Sou	thern
	Units of		Multi	imodal	Muit	imodal
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost
Guideway At - Grade	miles	\$7,000,000	5.06	\$35,420,000	5.29	\$37,030,000
Guideway Elevated	miles	\$15,000,000	7.51	\$112,650,000	7.08	\$106,200,000
Tail Tracks	miles	\$10,000,000	0.57	\$5,700,000	0.57	\$5,700,000
Special Structures,	lump sum	[0.05	\$638,000
Guideway Total	miles		13.14	\$153,770,000	12.94	\$149,568,000
Systems	feet	\$1,200	69,400	\$83,280,000	68,300	\$81,960,000
Stations	lump sum			\$135,600,000		\$135,000,000
Parking	lump sum			\$23,250,000		\$23,250,000
Vehicles	lump sum			\$65,000,000		\$65,000,000
Sub Total				\$460,300,000		\$ 454,778,000
Design/CM/Admin.		@21%		\$96,663,000		\$95,503,000
Insurance		@ 4%		\$18,412,000		\$18,191,000
Right of Way	lump sum			\$23,000,000		\$23,000,000
Total				\$598,375,000	<u> </u>	\$591,472,000
Comingency		@20%		\$119,675,000		\$118,294,000
Grand Total			_	\$718,050,000		\$709,766,000
Cost/Milc				\$54,630,000		\$54,869,000

				-		West Corride	or (cont	'd.)				
			W2									
			SR	t 836	SR 836		SR	. 836	SR	836		
			"Hybr	"Hybrid" LRT		id" LRT	"Hybr	id" LRT	"Hybrid" LRT			
)	No.	orth	No	rth	So	uth	Sou	ıt h		
	1		Air	Airport		port	Air	port	Air	port		
	Units of		Sit	le 4	Sit	te 5	Sit	c 4	Site	e 5		
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost		
Guideway At-Grade	miles	\$7,000,000	5.06	\$35,420,000	5.06	\$35,420,000	5.28	\$36,960,000	5.28	\$36,960,000		
Guideway Elevated	miles	\$15,000,000	8.27	\$124,050,000	8.55	\$128,250,000	8.16	\$122,400,000	8.20	\$123,000,000		
Tail Tracks	miles	\$10,000,000	0.57	\$5,700,000	0.57	\$5,700,000	0.57	\$5,700,000	0.57	\$5,700,000		
Special Structures	lump sum		0.05	\$638,000	0.05	\$638,000	0.05	\$638,000	0.05	\$638,000		
Guideway Total	miles		13.9	\$165,808,000	14.18	\$170,008,000	14.01	\$165,698,000	14.05	\$166,298,000		
Systems	feet	\$1,200	73,400	\$88,080,000	74,900	\$89,880,000	74,000	\$88,800,000	74,200	\$89,040,000		
Stations	lump sum		11 (14 (14 (14 (14 (14 (14 (14 (14 (14 (\$145,000,000		\$145,000,000	C. 1988an (C. 197	\$145,000,000		\$145,000,000		
Parking	lump sum			\$23,250,000		\$23,250,000		\$23,250,000		\$23,250,000		
Vehicles	lump sum			\$65,000,000		\$65,000,000		\$65,000,000		\$65,000,000		
Sub Total				\$487,138,000		\$493,138,000		\$487,748,000	l	\$488,588,000		
Design/CM/Admin.		@ 21%		\$102,299,000		\$103,559,000		\$102,427,000		\$102,603,000		
Insurance		@ 4%		\$19,486,000		\$19,726,000		\$19,510,000		\$19,544,000		
Right of Way	lump sum		Section 1	\$23,226,000		\$23,226,000		\$23,226,000		\$23,226,000		
Total Project				\$632,149,000		\$639,649,000		\$632,911,000		\$633,961,000		
Contingency		@ 20%		\$126,430,000		\$127,930,000		\$126,582,000		\$126,792,000		
Grand Total				\$758,579,000		\$767,579,000		\$759,493,000		\$760,753,000		
Cost/Mile	I			\$54,568,000		\$54,110,000	·	\$54,191,000		\$54,134,000		

					West Cor	ridor (cont'd.)	
					W3		,	W4
		}	S.R. 83	6/S.W. 8th St.	S.R. 83	6/S.W. 8th St.	W. 8th St.	
			"F	lybrid*	"I	lybrid"		
				LRT		LRT	Fi	agler
			A.	irport	A	irport	St	rect
	Units of		:	Site 4		Site 5	Ŀ	RT
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Guideway At - Grade	miles	\$7,000,000	8.48	\$59,360,000	8.49	\$59,430,000	13.77	\$96,390,000
Guideway Elevated	miles	\$15,000,000	5.66	\$84,900,000	5.66	\$84,900,000		
Tail Tracks	miles	\$10,000,000	0.57	\$5,700,000	0.57	\$5,700,000		\$10,045,000
Special Structures	lump sum		0.05	\$638,000	0.05	\$638,000	0.05	\$638,000
Guideway Total	miles		14.71	\$150,598,000	14.72	\$150,668,000	13.77	\$107,073,000
Systems	feet	\$1,200	77,650	\$93,180,000	77,700	\$93,240,000	72,700	\$87,240,000
Stations	lump sum			\$112,500,000		\$112,500,000		\$21,400,000
Parking	lump sum_			\$22,200,000		\$22,200,000		\$16,050,000
Vehides	lump sum			\$72,600,000		\$72,600,000		\$ 85,600,000
Sub Total				\$451,078,000		\$451,208,000		\$317,363,000
Design/CM/Admin.		@ 21%		\$94,726,000		\$94,754,000		\$66,646,000
Insurance		@ 4%	-	\$18,043,000		\$18,048,000		\$12,695,000
Right of Way	lump sum			\$30,142,000		\$30,142,000		\$31,308,000
Total Project				\$593,989,000	-	\$594,152,000		\$428,012,000
Contingency		@ 20%		\$118,798,000		\$118,830,000		\$85,602,000
Grand Total				\$712,787,000		\$712,982,000		\$513,614,000
Cost/Mile	1			\$48,468,000		\$48,450,000		\$ 37,302,000

					.	West Beach	Corridor			
			V	VB1	1	WB2			WB3	-
			М	etrorail —	S	R 836		SR 836	1	SR 836
			Ma	ncArthur	M	acArthur	Go	vernment	Ge	vernment
			Ca	uscway	Ca	useway	Cı	t Tennel	Cı	it Tunnci
			•н	ybrid"	"Н	ybrid"	"Hy	brid" LRT	*Ну	brid" LRT
	Units of		1	LRT]	LRT	Dec	p Tunnet	Shallow Tunnel	
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Guideway At-Grade	miles	\$7,000,000	11.65	\$81,550,000	12.7	\$88,900,000	12.07	\$84,490,000	12.07	\$84,490,000
Guideway Elevated	miles	\$15,000,000	7.77	\$116,550,000	8.47	\$127,050,000	8.05	\$120,750,000	8.05	\$120,750,000
Tail tracks	miles	\$10,000,000	0.57	\$5,700,000	0.57	\$5,700,000	0.57	\$5,700,000	0.57	\$5,700,000
Special Structures	lump sum			•			1.10	\$132,148,000	1.68	\$195,956,000
Guideway Total	miles	2410-498894 - 6080 60-48889 - 6080	19.99	\$203,800,000	21.74	\$221,650,000	20.69	\$343,088,000	20.69	\$406,896,000
Systems	feet	\$1,200	105,500	\$126,600,000	114,800	\$137,760,000	109,200	\$131,040,000	109,200	\$131,040,000
Stations	lump sum			\$142,500,000		\$217,500,000		\$187,500,000		\$187,500,000
Parking	lump sum			\$25,425,000		\$25,725,000		\$22,425,000		\$22,425,000
Vehicles **	lump sum			\$152,750,000		\$89,800,000		\$79,800,000		\$79,800,000
Sub Total	i			\$651,075,000	ı	\$692,435,000		\$763,853,000		\$827,661,000
Design/CM/Admin.		@ 21%	4 1 2 2 3 3 3 3 3	\$136,726,000		\$145,411,000		\$160,409,000	o de la la composición de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición de la composición dela	\$173,809,000
Insurance		@ 4%		\$26,043,000		\$27,697,000		\$30,554,000		\$33,106,000
Right of Way	lump sum			\$2,000,000		\$67,000,000		\$52,000,000		\$52,000,000
Total Project				\$815,844,000		\$932,543,000		\$1,006,816,000		\$1,086,576,000
Contingency		@ 20%		\$163,169,000	1,8,600,00	\$186,509,000		\$201,363,000		\$217,315,000
Grand Total				\$979,013,000		\$1,119,052,000		\$1,208,179,000		\$1,303,891,000
Cost/Mile				\$48,997,000		\$51,469,000		\$58,417,000		\$63,045,000

^{••} Does not include vehicles for premium service between Airport and Seaport.



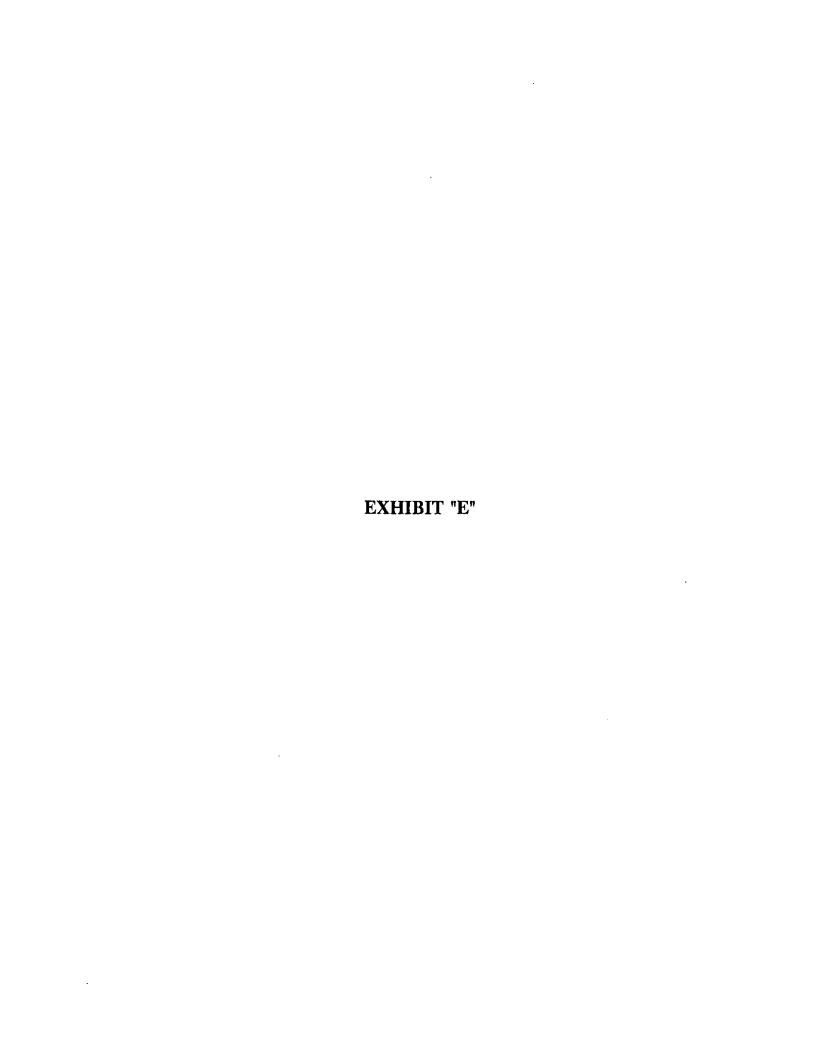
Station Categories with Corresponding Unit Cost

Station Category	Description	Unit Cost
1	Elevated, side Platform, Double Track, Mezzanine, Fare collection Barrier	\$15,000,000
2	Elevated, Center Platform, Double Track, Fare Collection Barrier	\$10,000,000
3	At Grade, Exclusive Right of Way, High Platform All Technology, Fair Collection Barrier	\$2,500,000
4	At Grade, Low Platform, Canopy, Lighting	\$300,000
5	Busway with small Canopy, Lighting	\$200,000

Vehicle Types with Corresponding Unit Cost

Description	Unit Cost
Bus	\$200,000
Standard Light Rail Vehicle (LRV)	\$2,000,000
Hybrid Light Rail Vehicle/Metrorail	\$2,150,000
Standard Heavy Rail Vehicle (HRV)	\$2,150,000
Hybrid Heavy Rail Vehicle	\$2,150,000

stadec3.wk3/Nov 3, 1992



South Corridor Stations

Station Location	Station Category	Station Cost Per Unit	Parking Spaces	Parking Cost @ Grade	Parking Cost Elevated	Total Cost	
				@ \$1500/Space	@ \$7,500/Space	From	To
SW 112th St	3	\$2,500,000	0	\$ 0	\$ 0	\$2,500,000	\$2,500,000
SW 136th St	3	\$2,500,000	50	\$75,000	\$375,000	\$2,575,000	\$2,875,000
SW 152nd St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
SW 175th St	3	\$2,500,000	620	\$930,000	\$4,650,000	\$3,430,000	\$7,150,000
SW 193rd St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
SW 202nd St	3	\$2,500,000	500	\$750,000	\$3,750,000	\$3,250,000	\$6,250,000
SW 226th St	3	\$2,500,000	60	\$90,000	\$450,000	\$2,590,000	\$2,950,000
SW 248th St	3	\$2,500,000	230	\$345,000	\$1,725,000	\$2,845,000	\$4,225,000
SW 268th St	3	\$2,500,000	660	\$990,000	\$4,950,000	\$3,490,000	\$7,450,000
SW 288th St	3	\$2,500,000	570	\$855,000	\$4,275,000	\$3,355,000	\$6,775,000
SW 312th St	3	\$2,500,000	780		\$5,850,000	\$3,670,000	\$8,350,000
SW 344th St	3	\$2,500,000	280	\$420,000	\$2,100,000	\$2,920,000	\$4,600,000
Sub Total ->	12	\$30,000,000	3,750		\$28,125,000	\$35,625,000	\$58,125,000

Metrorail Alternative S3:

Station Location	Station Category	Station Cost Per Unit	Parking Spaces	Parking Cost @ Grade	Parking Cost Elevated	Tota Cost		
				@ \$1500/Space	@ \$7,500/Space	From	To	
SW 112th St	2	\$10,000,000	0	- \$ 0	\$0	\$10,000,000	\$10,000,000	
SW 136th St	2	\$10,000,000	100	\$150,000	\$750,000	\$10,150,000	\$10,750,000	
SW 152nd St	2	\$10,000,000	0	\$0	\$0	\$10,000,000	\$10,000,000	
SW 175th St	2	\$10,000,000	630	\$945,000	\$4,725,000	\$10,945,000	\$14,725,000	
SW 202nd St	2	\$10,000,000	560	\$840,000	\$4,200,000	\$10,840,000	\$14,200,000	
SW 226th St	2	\$10,000,000	180	\$270,000	\$1,350,000	\$10,270,000	\$11,350,000	
SW 268th St	2	\$10,000,000	880	\$1,320,000	\$6,600,000	\$11,320,000	\$16,600,000	
SW 288th St	2	\$10,000,000	62 0	\$930,000	\$4,650,000	\$10,930,000	\$14,650,000	
SW 312th St	2	\$10,000,000	830	\$1,245,000	\$6,225,000	\$11,245,000	\$16,225,000	
SW 344th St	2	\$10,000,000	280	\$420,000	\$2,100,000	\$10,420,000	\$12,100,000	
Sub Total ->	10	\$100,000,000	4,080	\$6,120,000	\$30,600,000	\$106,120,000	\$130,600,000	

Kendall Corridor Stations

Station Location	Station Category	Station Cost Per Unit	Parking Spaces	Parking Cost Surface	Parking Cost Structure	Tota Cosi	
				@ \$1500/Space	@ \$7,500/Space	From	То
SW 78th Ave	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
SW87th Ave	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
SW 97th Ave P/R	3	\$2,500,000	460	\$690,000	\$3,450,000	\$3,190,000	\$5,950,000
SW 107th Ave	3	\$2,500,000	0	\$0	S 0	\$2,500,000	\$2,500,000
SW 117th Ave P/R	3	\$2,500,000	210	\$315,000	\$1,575,000	\$2,815,000	\$4,075,000
SW 127th Ave P/R	3	\$2,500,000	350	\$525,000	\$2,625,000	\$3,025,000	\$5,125,000
SW 137th Ave P/R	3	\$2,500,000	2,380	\$3,570,000	\$17,850,000	\$6,070,000	\$20,350,000
Sub Total -:	> 7	\$17,500,000	3,400	\$5,100,000	\$25,500,000	\$22,600,000	\$43,000,000
Metrorail_Alter	native K	<u>3:</u>					
						4.4	
SW 78th Ave	1	\$15,000,000	0	\$ 0	\$0	\$15,000,000	\$15,000,000
SW 78th Ave SW87th Ave	1	\$15,000,000 \$15,000,000	0	\$0 \$0	\$0 \$0	\$15,000,000 \$15,000,000	
	1 1						\$15,000,000
SW87th Ave	1 1 1 1	\$15,000,000	0	\$0	\$0	\$15,000,000	\$15,000,000 \$16,350,000
SW87th Ave SW 99th Ave P/R SW 107th Ave P/R	1 1 1 1 1	\$15,000,000 \$15,000,000	0 180	\$0 \$270,000	\$0 \$1,350,000	\$15,000,000 \$15,270,000	\$15,000,000 \$16,350,000 \$20,025,000
SW87th Ave SW 99th Ave P/R	1 1 1 1 1 1	\$15,000,000 \$15,000,000 \$15,000,000	0 180 670	\$0 \$270,000 \$1,005,000	\$0 \$1,350,000 \$5,025,000	\$15,000,000 \$15,270,000 \$16,005,000	\$15,000,000 \$15,000,000 \$16,350,000 \$20,025,000 \$18,075,000 \$35,625,000

North Corridor Stations

Station Location	Station Category	Color Roce - 1 8000 to 14 collection (Christian 1990)	Spaces @	Parking Cost @ Grade	Parking Cost Elevated	Total Cost	
				@ \$1500/Space	@ \$7,500/Space	From	То
NW 103rd St P/R	1	\$15,000,000	470	\$7 05,000	\$3,525,000	\$15,705,000	\$18,525,000
NW 113th St (MDCC)	1	\$15,000,000	0	\$0	\$0	\$15,000,000	\$15,000,00
NW 135th St P/R	1	\$15,000,000	300	\$450,000	\$2,250,000	\$15,450,000	\$17,250,00
NW 166th St P/R	1	\$15,000,000	240	\$360,000	\$1,800,000	\$15,360,000	\$16,800,00
NW 183rd St P/R	1	\$15,000,000	520	\$780,000	\$3,900,000	\$15,780,000	\$18,900,00
NW 199th St P/R	1	\$15,000,000	230	\$345,000	\$1,725,000	\$ 15,345,000	\$16,725,00
NW 215th St P/R	1	\$15,000,000	420	\$630,000	\$3,150,000	\$15,630,000	\$18,150,00
J. 1. 2 20022 Dt 1/10	1 -				<u> </u>	410,000,000	A +0. +0.000
Sub Total ->			2,180	\$3,270,000	\$16,350,000	\$108,270,000	
		\$105,000,000	2,180				\$121,350,00
Sub Total -> Golden Glades NW 103rd St P/R	Metrora 1	\$105,000,000 ail Alternati	2,180 ive <u>N3:</u>	\$3,270,000	\$16,350,000	\$108,270,000	\$121,350,00
Sub Total -> Golden Glades NW 103rd St P/R NW 113th St (MDCC)	Metrora 1	\$105,000,000 ail Alternati \$15,000,000	2,180 ive N3: 420	\$3,270,000 \$630,000	\$16,350,000 \$3,150,000	\$108,270,000 \$15,630,000	\$121,350,00 \$18,150,00
Sub Total -> Golden Glades NW 103rd St P/R NW 113th St (MDCC) NW 135th St P/R	Metrora 1	\$105,000,000 ail Alternati \$15,000,000 \$15,000,000	2,180 ive N3: 420 0	\$3,270,000 \$630,000 \$0	\$16,350,000 \$3,150,000 \$0	\$108,270,000 \$15,630,000 \$15,000,000	\$121,350,00 \$18,150,00 \$15,000,00
Sub Total -> Golden Glades NW 103rd St P/R NW 113th St (MDCC) NW 135th St P/R Golden Glades P/R	1 1 1	\$105,000,000 ail Alternati \$15,000,000 \$15,000,000 \$15,000,000	2,180 ive N3: 420 0 350	\$3,270,000 \$630,000 \$0 \$525,000	\$16,350,000 \$3,150,000 \$0 \$2,625,000	\$108,270,000 \$15,630,000 \$15,000,000 \$15,525,000	\$121,350,00 \$18,150,00 \$15,000,00 \$17,625,00
Sub Total -> Golden Glades NW 103rd St P/R NW 113th St (MDCC) NW 135th St P/R Golden Glades P/R NW 183rd St P/R	1 1 1	\$105,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$2,500,000	2,180 ve N3: 420 0 350 380	\$3,270,000 \$630,000 \$0 \$525,000 \$570,000	\$16,350,000 \$3,150,000 \$0 \$2,625,000 \$2,850,000	\$108,270,000 \$15,630,000 \$15,000,000 \$15,525,000 \$3,070,000	\$18,150,00 \$18,150,00 \$15,000,00 \$17,625,00 \$5,350,00
Sub Total -> Golden Glades	1 1 1	\$105,000,000 ail Alternati \$15,000,000 \$15,000,000 \$15,000,000 \$2,500,000 \$15,000,000	2,180 (ve N3: 420 0 350 380 760	\$3,270,000 \$630,000 \$0 \$525,000 \$570,000 \$1,140,000	\$16,350,000 \$3,150,000 \$0 \$2,625,000 \$2,850,000 \$5,700,000	\$108,270,000 \$15,630,000 \$15,000,000 \$15,525,000 \$3,070,000 \$16,140,000	\$18,150,00 \$18,150,00 \$15,000,00 \$17,625,00 \$5,350,00 \$20,700,00

Northeast Corridor stations

LRT Alternative	• NE2:				-		
Station Location	Station Category	Station Cost Per Unit	Parking Spaces	Parking Cost @ Grade	Parking Cost Elevated	Tota Cost	
		55 500 000	•	@ \$1500/Space	@ \$7,500/Space	From	To
Overtown	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NW 15th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$ 2,500, 0 00
NE 20th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE36th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE 54th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE61th St	3	\$2,500,000	0	\$ 0	\$0	\$2,500,000	\$ 2,500, 0 00
NE79th St P/R	3	\$2,500,000	470	\$7 05,000	\$ 3,525,000	\$3,205,000	\$6,025 ,00 0
NE96th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$ 2,500, 00 0
NE 125th St P/R	3	\$2,500,000	360	\$ 540,000	\$ 2,700,000	\$ 3,040,000	\$ 5,200 ,00 0
NE 135th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE 163rd St P/R	3	\$2,500,000	580	\$870,000	\$4,350,000	\$3,370,000	\$6,850,000
NE 185th St	3	\$ 2,500,000	0	S 0	\$0	\$2,500,000	\$2,500,000
NE 199th St P/R Sub Total ->	3	\$2,500,000 \$32,500,000	600 2.010	\$900,000 \$3,015,000	\$4,500,000	\$3,400,000	\$7,000,000
LRT Alternative		<u> </u>				50 500 000	40 700 000
NW 15th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE20th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE36th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE 54th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE61th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE79th St P/R	3	\$2,500,000	640	\$960,000	\$4,800,000	\$3,460,000	\$7,300,000
NE96th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE 125th St P/R	3	\$2,500,000	480	_ \$720,000	\$3,600,000	\$3,220,000	\$6,100,000
NE 135th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE 163rd St P/R	3	\$2,500,000	690	\$1,035,000	\$5,175,000	\$ 3,535,000	\$7,675,000
NE 185th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NE 199th St P/R	3	\$2,500,000	820	\$1,230,000	\$6,150,000	\$ 3,730,000	\$8,650,000
Sub Total -> <u>Metrorail Alterr</u>	native N	E4:	2,630	\$3,945,000	\$19,725,000	\$33,945,000	\$49,725,000
NW 15th St	2	\$10,000,000	0	\$0	\$0	\$10,000,000	\$10,000,000
NE36th St P/R	2	\$10,000,000	250	\$375,000	\$1,875,000	\$10,375,000	\$11,875,000
NE 54th St P/R	2	\$10,000,000	300	\$450,000	\$2,250,000	\$10,450,000	\$12,250,000
NE79th St P/R	2	\$10,000,000	480	\$720,000	\$3,600,000	\$10,720,000	\$13,600,000
NE96th St P/R	2	\$10,000,000	60	- \$90,000	\$ 450,000	\$10,090,000	\$10,450, 00 0
NE 125th St P/R	2	\$10,000,000	480	\$720,000	\$3,600,000	\$10,720,000	\$13,600,000
NE 135th St P/R	2	\$10,000,000	120	\$180,000	\$900,000	\$10,180,000	\$10,900,000
NE 163rd St P/R	2	\$10,000,000	800	\$1,200,000	\$6,000,000	\$11,200,000	\$16,000,000
NE 199th St P/R	2	\$10,000,000	870	\$1,305,000	\$6,525,000	\$11,305,000	\$16,525,000
Sub Total ->	9	\$90,000,000	3,360	\$5,040,000	\$25,200,000	\$ 95,040,000	\$115,200,000

West Corridor Stations

Station Location	Station Category	Station Cost Per Unit	Parking Spaces	Parking Cost @ Grade	Parking Cost Elevated	Tota Cos	
				@ \$1500/Space	@ \$7,500/Space	From	To
FIU P/R	2	\$10,000,000	1,220	\$1,830,000	\$ 9,150,000	\$ 11,830,000	\$19,150,000
NW 107th Ave P/R	2	\$10,000,000	550	\$825,000	\$ 4,125,000	\$10,825,000	\$14,125,000
NW 97th Ave P/R	2	\$10,000,000	120	\$180,000	\$900,000	\$10,180,000	\$10,900,000
NW 87th Ave P/R	2	\$ 10,000,000	280	\$420,000	\$2,100,000	\$10,420,000	\$12,100,000
Palmetto Expy P/R	2	\$10,000,000	120	\$180,000	\$900,000	\$10,180,000	\$10,900,000
NW 57th Ave P/R	2	\$10,000,000	180	\$270,000	\$1,350,000	\$10,270,000	\$11,350,000
NW 42nd Ave P/R	2	\$10,000,000	180	\$270,000	\$1,350,000	\$10,270,000	\$11,350,000
Airport Multimodal	1	\$15,000,000	0	\$0	\$0	\$15,000,000	\$15,000,000
Sub Total —:							
SR 836 Alterna	ative W2	<u>.</u>					
	ative W2	\$10,000,000	1,350	\$2,025,000	\$10,125,000	\$12,025,000	\$20,125, 00
<i>SR 836 Alterna</i> FIU P/R			1,350 670	\$2,025,000 \$1,005,000	\$10,125,000 \$5,025,000	\$12,025,000 \$11,005,000	
SR 836_Alterna	2	\$10,000,000				\$11,005,000	\$20,125,000 \$15,025,000 \$10,900,000
SR 836 Alterna FIU P/R NW 107th Ave P/R NW 97th Ave P/R	2 2	\$10,000,000 \$10,000,000	670	\$1,005,000	\$5,025,000		\$15,025,000 \$10,900,000
SR 836 Alterna FIU P/R NW 107th Ave P/R NW 97th Ave P/R NW 87th Ave P/R	2 2 2	\$10,000,000 \$10,000,000 \$10,000,000	670 120	\$1,005,000 \$180,000	\$5,025,000 \$900,000	\$11,005,000 \$10,180,000	\$15,025 ,00 0
SR 836 Alterna FIU P/R NW 107th Ave P/R NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R	2 2 2 2 2	\$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000	670 120 350	\$1,005,000 \$180,000 \$525,000	\$5,025,000 \$900,000 \$2,625,000	\$11,005,000 \$10,180,000 \$10,525,000	\$15,025,000 \$10,900,000 \$12,625,000 \$10,900,000
SR 836 Alterna FIU P/R NW 107th Ave P/R NW 97th Ave P/R NW 87th Ave P/R Paimetto Expy P/R NW 57th Ave P/R	2 2 2 2 2 2	\$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000	670 120 350 120	\$1,005,000 \$180,000 \$525,000 \$180,000	\$5,025,000 \$900,000 \$2,625,000 \$900,000	\$11,005,000 \$10,180,000 \$10,525,000 \$10,180,000	\$15,025,00 \$10,900,00 \$12,625,00
SR 836 Alterna FIU P/R NW 107th Ave P/R NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R NW 57th Ave P/R NW 57th Ave P/R NW 42nd Ave P/R	2 2 2 2 2 2 2	\$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000	670 120 350 120 180	\$1,005,000 \$180,000 \$525,000 \$180,000 \$270,000	\$5,025,000 \$900,000 \$2,625,000 \$900,000 \$1,350,000	\$11,005,000 \$10,180,000 \$10,525,000 \$10,180,000 \$10,270,000	\$15,025,000 \$10,900,000 \$12,625,000 \$10,900,000 \$11,350,000 \$12,325,000
SR 836 Alterna FIU P/R NW 107th Ave P/R NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R NW 57th Ave P/R NW 42nd Ave P/R Airport Multimodal	2 2 2 2 2 2 2 2	\$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000	670 120 350 120 180 310	\$1,005,000 \$180,000 \$525,000 \$180,000 \$270,000 \$465,000	\$5,025,000 \$900,000 \$2,625,000 \$900,000 \$1,350,000 \$2,325,000	\$11,005,000 \$10,180,000 \$10,525,000 \$10,180,000 \$10,270,000 \$10,465,000	\$15,025,00 \$10,900,00 \$12,625,00 \$10,900,00 \$11,350,00 \$12,325,00 \$15,000,00
SR 836 Alterna FIU P/R NW 107th Ave P/R NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R NW 57th Ave P/R NW 42nd Ave P/R Airport Multimodal NW 37th Ave	2 2 2 2 2 2 2 2 2 1	\$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000	670 120 350 120 180 310	\$1,005,000 \$180,000 \$525,000 \$180,000 \$270,000 \$465,000 \$0	\$5,025,000 \$900,000 \$2,625,000 \$900,000 \$1,350,000 \$2,325,000 \$0	\$11,005,000 \$10,180,000 \$10,525,000 \$10,180,000 \$10,270,000 \$10,465,000 \$15,000,000	\$15,025,00 \$10,900,00 \$12,625,00 \$10,900,00 \$11,350,00 \$12,325,00 \$15,000,00
SR 836 Alterna FIU P/R NW 107th Ave P/R NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R NW 57th Ave P/R NW 42nd Ave P/R Airport Multimodal NW 37th Ave NW 27th Ave	2 2 2 2 2 2 2 2 2 1	\$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$15,000,000 \$15,000,000	670 120 350 120 180 310 0	\$1,005,000 \$180,000 \$525,000 \$180,000 \$270,000 \$465,000 \$0	\$5,025,000 \$900,000 \$2,625,000 \$900,000 \$1,350,000 \$2,325,000 \$0	\$11,005,000 \$10,180,000 \$10,525,000 \$10,180,000 \$10,270,000 \$10,465,000 \$15,000,000	\$15,025,00 \$10,900,00 \$12,625,00 \$10,900,00 \$11,350,00 \$12,325,00 \$15,000,00 \$15,000,00
SR 836 Alterna FIU P/R NW 107th Ave P/R	2 2 2 2 2 2 2 2 1 1	\$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$10,000,000 \$15,000,000 \$15,000,000 \$15,000,000	670 120 350 120 180 310 0 0	\$1,005,000 \$180,000 \$525,000 \$180,000 \$270,000 \$465,000 \$0 \$0	\$5,025,000 \$900,000 \$2,625,000 \$900,000 \$1,350,000 \$2,325,000 \$0 \$0	\$11,005,000 \$10,180,000 \$10,525,000 \$10,180,000 \$10,270,000 \$10,465,000 \$15,000,000 \$15,000,000	\$15,025,00 \$10,900,00 \$12,625,00 \$10,900,00 \$11,350,00 \$12,325,00 \$15,000,00

West Corridor Stations (Cont'd.)

Station	Station	Station Cost	Parking	Parking Cost	Parking Cost	Tota	
Location	Category	Per Unit	Spaces	@ Grade	Elevated	Cost	
			4	@ \$1500/Space	@ \$7,500/Space	From	To
FIU P/R	3	\$2,500,000	1,520	\$2,280,000	\$11,400,000	\$4,780,000	\$13,900,000
NW 107th Ave	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
NW 97th Ave P/R	3	\$2,500,000	420	\$630,000	\$3,150,000	\$3,130,000	\$5,650,000
NW 87th Ave P/R	3	\$2,500,000	350	\$525,000	\$2,625,000	\$3,025,000	\$5,125,000
Palmetto Expy P/R	3	\$2,500,000	60	\$90,000	\$450,000	\$2,590,000	\$2,950,000
SW 8th St @ F.E.C. P/I	3	\$2,500,000	60	\$90,000	\$450,000	\$2,590,000	\$2,950,000
Flagler St @ F.E.C. P/F		\$2,500,000	180	\$270,000	\$1,350,000	\$2,770,000	\$3,850,000
NW 57th Ave P/R	2	\$10,000,000	60	\$90,000	\$450,000	\$10,090,000	\$10,450,000
NW 42nd Ave P/R	2	\$10,000,000	310	\$465,000	\$2,325,000	\$10,465,000	\$12,325,000
Airport Multimodal	1	\$15,000,000	0	\$0	\$2,525,000	\$15,000,000	\$15,000,000
NW 37th Ave	1	\$15,000,000 \$15,000,000	0	\$0	S 0		
NW 27th Ave	1		0			\$15,000,000	\$15,000,000
		\$15,000,000		\$0	<u>\$0</u>	\$15,000,000	\$15,000,000
NW 22nd Ave	1	\$15,000,000	0	\$0	\$0	\$15,000,000	\$15,000,000
NW 12th Ave	1 1	\$ 15,000,000	0	\$0	\$0	\$ 15,000,000	\$15,000,000
Sub Total ->	. The secondary versions were	\$112,500,000 ve W4:	2,960	\$4,440,000	\$22,200,000	\$116,940,000	\$134,700,000
Flagler Street	A <i>lternativ</i>	<u>re W4:</u>	-				
Flagler Street /	Alternativ 3	<u>/e W4:</u>	1,220	\$1,830,000	\$9,150,000	\$4,330,000	\$11,650,000
Flagler Street / FIU P/R NW 107th Ave	Alternativ 3 3	ye W4: \$2,500,000 \$2,500,000	1,220 0	\$1,830,000 \$0	\$9,150,000 \$0	\$4,330,000 \$2,500,000	\$11,650,000 \$2,500,000
FIU P/R NW 107th Ave NW 97th Ave P/R	Alternativ 3 3 3	\$2,500,000 \$2,500,000 \$2,500,000	1,220 0 240	\$1,830,000 \$0 \$360,000	\$9,150,000 \$0 \$1,800,000	\$4,330,000 \$2,500,000 \$2,860,000	\$11,650,000 \$2,500,000 \$4,300,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R	3 3 3 3 3	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	1,220 0 240 280	\$1,830,000 \$0 \$360,000 \$420,000	\$9,150,000 \$0 \$1,800,000 \$2,100,000	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R	3 3 3 3 3 3	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	1,220 0 240 280 60	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C.	3 3 3 3 3 3 3	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	1,220 0 240 280 60	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C.	3 3 3 3 3 3	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	1,220 0 240 280 60 0	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C.	3 3 3 3 3 3 3 3	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000	1,220 0 240 280 60	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$2,500,000 \$2,500,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000 \$1,575,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R	3 3 3 3 3 3 3 3 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	1,220 0 240 280 60 0 0	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$0 \$1,275,000	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000
Flagler Street FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal	3 3 3 3 3 3 3 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$0 \$1,275,000 \$0 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$555,000 \$300,000 \$300,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,500,000 \$2,500,000 \$1,575,000 \$300,000 \$300,000
Flagler Street FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal NW 7th St P/R	3 3 3 3 3 3 3 4 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0 0	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$0 \$1,275,000 \$0 \$0 \$0 \$1,275,000	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$555,000 \$300,000 \$300,000 \$300,000 \$555,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000 \$1,575,000 \$300,000 \$300,000 \$1,575,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal NW 7th St P/R NW 37th Ave	3 3 3 3 3 3 3 4 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0 0 170	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0 \$0 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$0 \$1,275,000 \$0 \$0 \$1,275,000 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$3555,000 \$300,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000 \$1,575,000 \$300,000 \$300,000 \$1,575,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal NW 7th St P/R NW 37th Ave NW 37th Ave NW 37th Ave	3 3 3 3 3 3 3 4 4 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0 0 170 0 0	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0 \$255,000 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$0 \$1,275,000 \$0 \$0 \$1,275,000 \$0 \$0 \$0 \$1,275,000	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000 \$1,575,000 \$300,000 \$1,575,000 \$300,000 \$300,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal NW 7th St P/R NW 37th Ave NW 32nd Ave NW 27th Ave	3 3 3 3 3 3 3 4 4 4 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0 0 170 0 0 0	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0 \$255,000 \$0 \$0 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$0 \$1,275,000 \$0 \$1,275,000 \$0 \$0 \$0 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000 \$1,575,000 \$300,000 \$1,575,000 \$300,000 \$300,000 \$300,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal NW 7th St P/R NW 37th Ave NW 37th Ave NW 32nd Ave NW 27th Ave NW 27th Ave NW 27th Ave NW 22nd Ave	3 3 3 3 3 3 3 4 4 4 4 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0 0 170 0 0 0 0	\$1,830,000 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$1,275,000 \$0 \$1,275,000 \$0 \$0 \$0 \$0 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000 \$1,575,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal NW 7th St P/R NW 37th Ave NW 32nd Ave NW 27th Ave NW 27th Ave NW 22nd Ave NW 22nd Ave NW 17th Ave	3 3 3 3 3 3 3 4 4 4 4 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0 0 170 0 0 0 0	\$1,830,000 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$1,275,000 \$0 \$1,275,000 \$0 \$0 \$0 \$0 \$0 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000 \$1,575,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Expy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal NW 7th St P/R NW 37th Ave NW 37th Ave NW 32nd Ave NW 27th Ave NW 22nd Ave NW 22nd Ave NW 17th Ave NW 17th Ave NW 17th Ave	3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0 0 170 0 0 0 0 0 0 0 0 0 0 0 0 0	\$1,830,000 \$0 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$1,275,000 \$0 \$0 \$1,275,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	\$11,650,000 \$2,500,000 \$4,300,000 \$2,950,000 \$2,500,000 \$1,575,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000
Flagler Street / FIU P/R NW 107th Ave NW 97th Ave P/R NW 87th Ave P/R Palmetto Egpy P/R SW 8th St @ F.E.C. Flagler St @ F.E.C. NW 57th Ave P/R NW 49th Ave NW 42nd Ave Airport Multimodal NW 7th St P/R NW 37th Ave NW 37th Ave NW 32nd Ave NW 27th Ave NW 27th Ave NW 27th Ave	3 3 3 3 3 3 3 4 4 4 4 4 4 4 4	\$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	1,220 0 240 280 60 0 170 0 0 170 0 0 0 0	\$1,830,000 \$360,000 \$420,000 \$90,000 \$0 \$0 \$255,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$9,150,000 \$0 \$1,800,000 \$2,100,000 \$450,000 \$0 \$1,275,000 \$0 \$1,275,000 \$0 \$0 \$0 \$0 \$0 \$0	\$4,330,000 \$2,500,000 \$2,860,000 \$2,920,000 \$2,590,000 \$2,500,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000 \$300,000	\$11,650,000 \$2,500,000 \$4,300,000 \$4,600,000 \$2,950,000 \$2,500,000 \$1,575,000 \$300,000 \$1,575,000 \$300,000 \$300,000

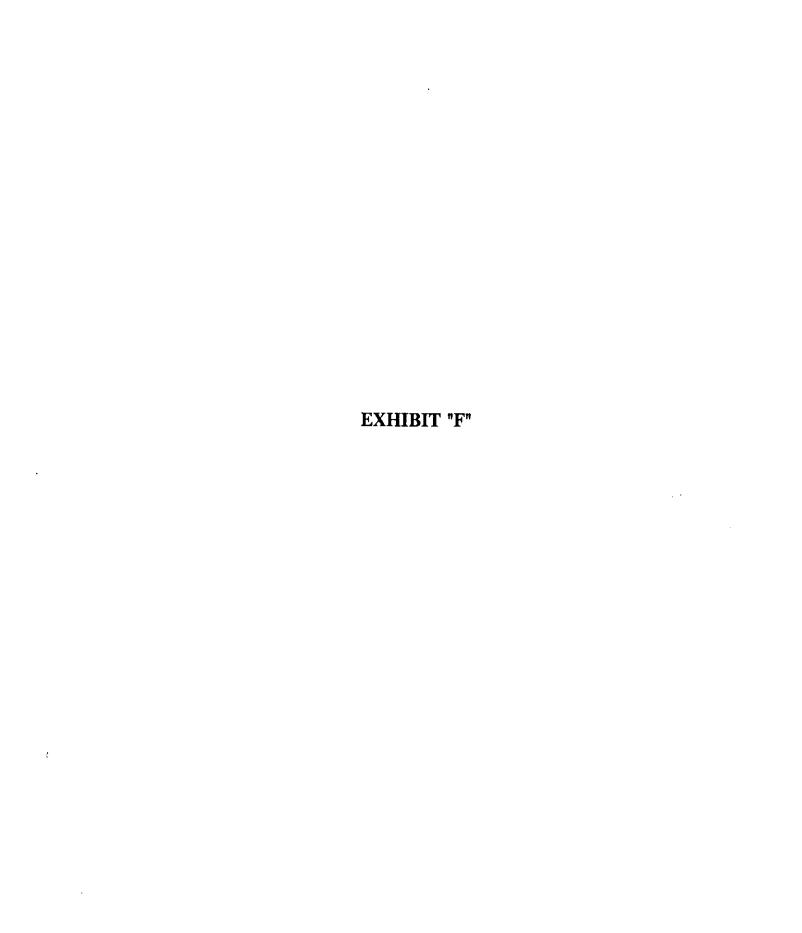
West-Beach Corridor Stations

Station	Station	Station Cost	Darking	Darking Cost	Darking Cost	in linearit of State of the	
Washester sold a contract of the	1 1-	of the contract of the contrac	and account with Table	Parking Cost	Parking Cost	Tota	85.500 to 1 120.00 400 150 150 150
Location	Category	Per Unit	Spaces	@ Grade	Elevated	Cost	
				@ \$1500/Space		From	To
FTU P/R	2	\$10,000,000	1,410	\$2,115,000		\$ 12,115,000	\$20,575,000
NW 107th Ave P/R	2	\$10,000,000	610	\$915,000	\$ 4,575,000	\$10,915,000	\$14,575,000
NW 97th Ave P/R	2	\$10,000,000	120	\$180,000		\$10,180,000	\$10,900,000
NW 87th Ave P/R	2	\$10,000,000	350	\$525,000	\$ 2,625,000	\$ 10,525,000	\$12,625,000
Paimetto Expy P/R	2	\$10,000,000	120	\$180,000	\$900,000	\$10,180,000	\$10,900,000
NW 57th Ave P/R	2	\$10,000,000	180	\$270,000	\$ 1,350,000	\$10,270,000	\$11,350,000
NW 42ad Ave P/R	2	\$10,000,000	260	\$390,000	\$ 1,950,000	\$10,390,000	\$11,950,000
Airport Multimodal	1	\$15,000,000	0	\$0	\$0	\$15,000,000	\$15,000,000
Earlington Heights			0	\$0	\$0	\$0	\$(
Allapattak	 	<u> </u>	0	\$0		\$0	
Santa Clara	 - -	ļ	0	\$0	\$0	\$0	
Civic Center			0	\$0	\$0	\$0	\$(
Cwimer Overtown/Arena			0	\$0	\$0	\$0	S
Biscayne Blvd - Bayside	1	\$15,000,000	0	\$0 \$0	\$0	\$15,000,000	\$15,000,000
Seaport	2	\$10,000,000	0		\$0 \$0	\$15,000,000	\$15,000,000
Seaport Bicentennial Park	2	\$10,000,000	0	3 0	\$0	\$10,000,000	\$10,000,000
Watson Island	3	\$2,500,000	0			\$10,000,000	\$10,000,000
	3	\$2,500,000	0	S 0	\$0	\$2,500,000	\$2,500,000
Paim Island				\$0	\$0	\$2,500,000	\$2,500,000
Terminal Island	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
Alton Road P/R	3	\$2,500,000	340	\$510,000	\$2,550,000	\$3,010,000	\$5,050,000
Meridian Ave	3	\$2,500,000	0	\$0	<u>\$0</u>	\$2,500,000	\$2,500,000
N.W. 7th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
N.W. 12th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
N.W. 17th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500, 00 0
N.W. 20th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
Sub Total ->	· 26	\$142,500,000	\$3,390	\$5,085,000	\$25,425,000	\$147,585,000	\$167,925,000
SR 836 - MacAi	thur Car	ISAWAY Alte	ernative	WR2·			
					#10 445 000	4.0.00	
FIU P/R	2	\$10,000,000	1,350	\$2,025,000	\$10,125,000	\$12,025,000	\$20,125,000
NW 107th Ave P/R	2	\$10,000,000 \$10,000,000	660 120	\$990,000	\$4,950,000	\$10,990,000	\$14,950,000
NW 97th Ave P/R NW 87th Ave P/R	2 -	\$10,000,000 \$10,000,000	350	\$180,000 \$525,000	\$900,000 \$2,625,000	\$10,180,000 \$10,525,000	\$10,900,000 \$12,625,000
Palmetto Expy P/R	2	\$10,000,000	120	\$180,000	\$2,023,000 \$900,000		
NW 57th Ave P/R	2	\$10,000,000	180	\$270,000	\$1,350,000	\$10,180,000 \$10,270,000	\$10,900,000 \$11,350,000
NW 42nd Ave P/R	2	\$10,000,000	310	\$465,000	\$2,325,000	\$10,465,000	\$12,325,000
Airport Multimodal	1	\$15,000,000	0	\$0		\$15,000,000	\$15,000,000
			U				
NW 37th Ave	1		n	^2 0	∩2 :	\$15,000 000 I	PIDIERRIER
	1 1	\$15,000,000 \$15,000,000	0	\$ 0	\$0 \$0	\$15,000,000 \$15,000,000	
NW 27th Ave	1 1 1	\$15,000,000		\$0 \$0 \$0	\$0 \$0 \$0	\$15,000,000	\$15,000,000
NW 27th Ave NW 22nd Ave NW 12th Ave	1 1 1	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000	0 0 0	\$0 \$0 \$0	\$0		\$15,000,000 \$15,000,000
NW 37th Ave NW 27th Ave NW 22nd Ave NW 12th Ave Miami Ave (Arena)	1 1 1 1	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000	0 0 0	\$0 \$0 \$0 - \$0	\$0 \$0 \$0 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000
NW 27th Ave NW 22nd Ave NW 12th Ave Miami Ave (Arena) Biscayne Blvd — Bayside	1 1 1 1 1	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000	0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000
NW 27th Ave NW 22nd Ave NW 12th Ave Minmi Ave (Arena) Biscayne Blvd – Bayside Seaport	1 1 1 1 1 2	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000	0 0 0 0	\$0 \$0 \$0 - \$0 - \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000
NW 27th Ave NW 22nd Ave NW 12th Ave Minmi Ave (Arena) Biscayne Blvd - Bayside Seaport Bicentennial Park	2	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000	0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000
NW 27th Ave NW 22nd Ave NW 12th Ave Miami Ave (Arena) Biscayne Blvd - Bayside Seaport Bicentennial Park Watson Island	3	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000	0 0 0 0 0 0	\$0 \$0 \$0 - \$0 - \$0 - \$0 - \$0 - \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000
NW 27th Ave NW 22nd Ave NW 12th Ave Minmi Ave (Arena) Biscayne Blvd — Bayside Seaport Bicentennial Park Watson Island Palm Island	2	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000	0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000
NW 27th Ave NW 22nd Ave NW 12th Ave Mismi Ave (Arena) Biscayne Bivd — Bayside Seaport Bicentennial Park Watson Island Palm Island Terminal Island Alton Road P/R	3 3 3 3	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	0 0 0 0 0 0 0 0 0 0 340	\$0 \$0 \$0 - \$0 - \$0 - \$0 - \$0 - \$0 - \$0 -	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,550,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$3,010,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000
NW 27th Ave NW 22nd Ave NW 12th Ave Mismi Ave (Arena) Biscayne Bivd — Bayside Seaport Biscentennial Park Watson Island Palm Island Terminal Island Alson Road P/R Meridian Ave	2 3 3 3 3 3	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	0 0 0 0 0 0 0 0 0 340	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,550,000 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$3,010,000 \$2,500,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000
NW 27th Ave NW 22nd Ave NW 12th Ave Miami Ave (Arena) Biscayne Bivd — Bayside Seaport Bicentennial Park Watson Island Palm Island Terminal Island Alton Road P/R Meridian Ave N.W. 7th St	3 3 3 3 3 3	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	0 0 0 0 0 0 0 0 0 0 340	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$510,000 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,550,000 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000
NW 27th Ave NW 22nd Ave NW 12th Ave Minmi Ave (Arena) Biscayne Blvd - Bayside Seaport Bicentennial Park Watton Island Palm Island Terminal Island Alton Road P/R Meridian Ave N.W. 7th St N.W. 12th St	2 3 3 3 3 3 3	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	0 0 0 0 0 0 0 0 0 340 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$510,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,550,000 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$3,010,000 \$2,500,000 \$2,500,000 \$2,500,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000
NW 27th Ave NW 22nd Ave NW 12th Ave Minmi Ave (Arena) Biscayne Blvd - Bayside Seaport Bicentennial Park Watson Island Palm Island Terminal Island Alton Road P/R Meridian Ave N.W. 7th St N.W. 12th St N.W. 17th St	2 3 3 3 3 3 3 3	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	0 0 0 0 0 0 0 0 0 340 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$510,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,550,000 \$0 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000
NW 27th Ave NW 22nd Ave NW 12th Ave Minmi Ave (Arena) Bincayne Blvd - Bayside Seaport Bicentennial Park Watton Island Palm Island Terminal Island Alton Road P/R Meridian Ave N.W. 7th St N.W. 12th St	2 3 3 3 3 3 3 3 3 3	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	0 0 0 0 0 0 0 0 0 340 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$510,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,550,000 \$0 \$0	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$3,010,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000	\$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$15,000,000 \$10,000,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000 \$2,500,000

West-Beach Corridor Stations (Cont'd.)

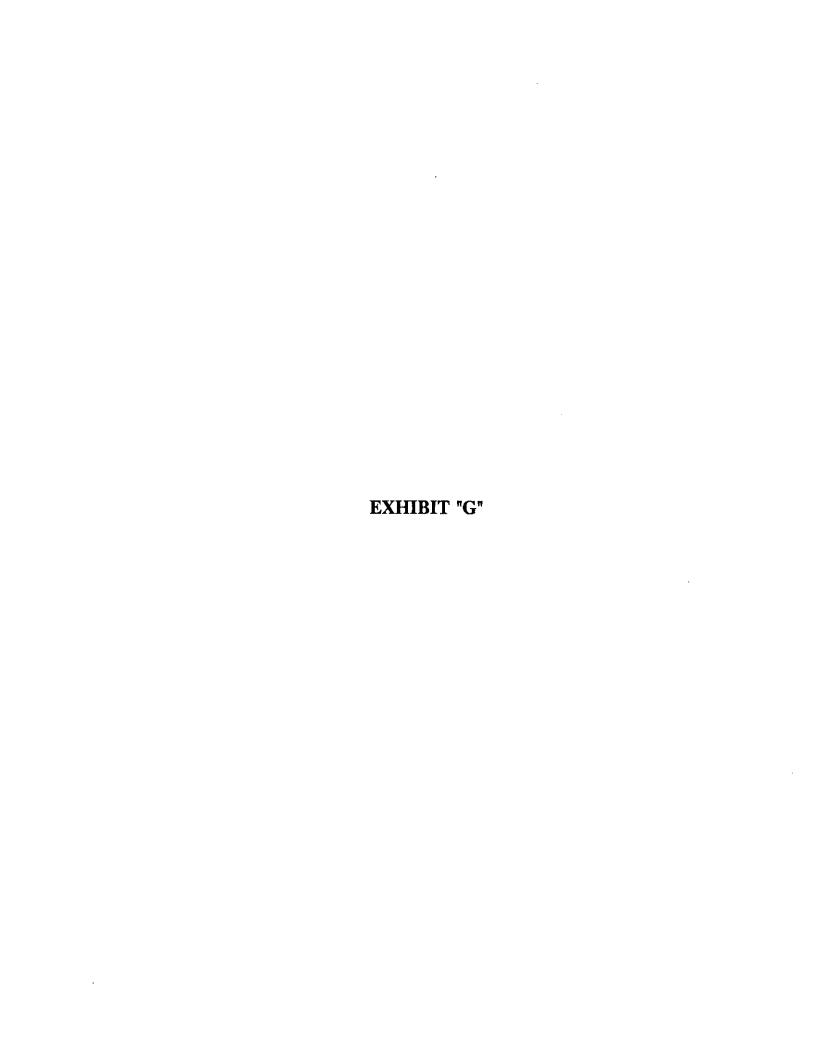
Station Location	Station Category	Station Cost Per Unit	Spaces @ Grade Elevated Cos		그 , 그는 아이를 불었다면서 목적하다?		
				@ \$1500/Space	@ \$7,500/Space	From	To
FIU P/R	2	\$10,000,000	1,290	\$1,935,000	\$ 9,675,000	\$11,935,000	\$19,675,000
NW 107th Ave P/R	2	\$10,000,000	610	\$ 915,000	\$ 4,575,000	\$10,915,000	\$14,575,000
NW 97th Ave P/R	2	\$10,000,000	120	\$180,000	\$900,000	\$10,180,000	\$10,900,000
NW 87th Ave P/R	2	\$10,000,000	350	\$525,000	\$2,625,000	\$10,525,000	\$12,625,000
Palmetto Expy P/R	2	\$10,000,000	120	\$180,000	\$900,000	\$10,180,000	\$10,900,000
NW 57th Ave P/R	2	\$10,000,000	180	\$270,000	\$1,350,000	\$10,270,000	
NW 42nd Ave P/R	2	\$10,000,000	250	\$375,000	\$1,875,000	\$10,375,000	
Airport Multimodal	1	\$15,000,000	0	\$0	\$0	\$15,000,000	
NW 37th Ave	1	\$15,000,000	0	\$0	\$0	\$15,000,000	
NW 27th Ave	1	\$15,000,000	0	\$0	\$0	\$15,000,000	
NW 22nd Ave	1	\$15,000,000	0	\$0	\$0	\$15,000,000	
NW 12th Ave	1	\$15,000,000	0	\$0	\$0	\$15,000,000	
Miami Ave (Arena)	1	\$15,000,000	0	\$0	\$0	\$15,000,000	· · · · · · · · · · · · · · · · · · ·
Biscayne Blvd - Baysic	1	\$15,000,000	0	\$0	\$0	\$15,000,000	
NW 3rd St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	- · ·
N.W. 7th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	
N.W. 12th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
N.W. 17th St	3	\$2,500,000	0	\$0	\$0	\$2,500,000	\$2,500,000
N.W. 20th St P/R	3	\$2,500,000	70	\$105,000	\$525,000	\$2,605,000	\$3,025,000
Sub Total ->	19	\$187,500,000	2,990	\$4,485,000	\$22,425,000	\$191,985,000	\$209,925,000

stacs12.wk3/Nov 30, 1992



			South	Corridor F	rom Dad	eland South	To Cut	er Dides
		J	S	1A	S	2A		3A
	1					ybrid"		
Cost Catacadas	Units of			sway	L	RT	Mei	roraij
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Guideway At - Grade	miles	\$7,000,000			7.77	\$54,390,000		\$
Guideway Elevated	miles	\$15,000,000					7.77	
Tail Tracks	miles	\$10,000,000			0.38	\$3,800,000		\$116,550,00
Special Structures	lump sum				9.50	43/00/000	0.38	\$3,800,000
Busway At-Grade	miles	\$2,112,000	7.77	\$16,410,000				
Busway Elevated	miles							_
Guideway/Busway Total	miles	**	1.77	\$16,410,000	8.15	\$58,190,000		
Systems	feet	\$1,200			43,000		8.15	\$120,350,000
Stations	lump sum			\$1,400,000	<u>+3</u> µ00	\$51,600,000	43,000	\$51,600,000
Parking	lump sum			\$1,905,000		\$15,000,000		\$50,000,000
Vehicles	lump sum			500,000,000		\$1,755,000	N7000000000000000000000000000000000000	\$1,935,000
Sub Total				(\$3,600,000)		\$20,125,000		\$15,825,000
				\$16,115,000		\$146,670,000		\$239,710,000
Design/CM/Admin.		@ 21%		\$3,384,000		****		000000
Insurance		@ 4%		\$645,000		\$30,801,000		\$50,339,000
Right of Way	lump sum			3043,000		\$5,867,000	00000000000000000000000000000000000000	\$9,588,000
Sub Total				50 144 000				
	-1880/40800 10000000000000	100007 - 6000107 - 6100000 - 6000000	Sec. 11 - Manual	\$20,144,000		\$183,338,000		\$299,637,000
Contingency		@20%,		\$4,029,000		\$36,668,000		P60 007 000
Grand Total								\$59,927,000
Cost/Mile	<u> </u>	-		\$24,173,000		\$220,006,000		\$359,564,000
				\$1,428,000		\$27,015,000	\$82	\$44,151,000

	}		South	Corridor Fro	m Cutle	Ridge To	Homeste	ad/Fla Cite
	ł		Busway		S2B "Hybrid" LRT		S3B Metrorail	
One Out	Units of	Unit Cost						
Cost Categories	Measure		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Guldeway At - Grade	miles	\$7,000,000			11.48	\$80,360,000		S
Guldeway Blevated	miles	\$15,000,000					11,48	
Tall Tracks	miles	\$10,000,000			0.38	\$3,800,000		\$172,200,00
Special Structures	lump sum					42300,000	0.38	\$3,800,00
Busway At-Grade	miles	\$2,112,000	9.17	\$19,367,000				
Busway Elevated	miles							<u> </u>
Guldeway/Busway Total	miles		9.17	\$19,367,000	11.86	\$84,160,000		
Systems	feet	\$1,200			62,600		11.86	\$176,000,00
	lump sum		Solomon appropria	81,000,000	**************************************	\$75,120,000 ***** \$ 15,000,000	62,600	\$75,120,000
Parking .	lump sum			\$3,735,000	BOSC PERSONNELLINGUE E			350,000,000
Vehicles	lump sum		1	(\$3,600,000)		\$3,870,000		\$4,185,000
Sub Total				\$20,502,000		\$20,125,000		\$15,825,000
Delle Military				320,302,000	1	\$198,275,000		\$321,130,000
Design/CM/Admin.		@ 21%		\$4,305,000		\$41,638,000		\$67.427.00v
Insurance	**	@ 4%		\$820,000		\$7,931,000		\$67,437,000
Right of Way	lump sum					97931,000		\$12,845,000
Sub Total				\$25,627,000	200000000 00000000 V	\$347.844.000		
Contingency	5-600 De 600	10 da - 20 80 s.	e Mariana di Santa	- Madden were a were a	Notice and a const	\$247,844,000		\$401,412,000
Comingency		@20% *		\$5,125,000		\$49,569,000		\$80,282,000
Grand Total			ł	\$30,752,000		\$297.412.000		
Cost/Mile				\$1,816,000	<u>-</u>	\$297,413,000 \$25,085,000		\$481,694,000 \$40,629,000



				South Co	rridor wi	th At-grad	e Parkin	
			S1		S2		S3	
. . . .	Units of	Unit Cost	Busway		"Hybrid" LRT		Metrorail	
Cost Categories	Measure		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Guideway At - Grade	miles	\$7,000,000			1924	\$134,680,000		S
Guldeway Elevated	miles	\$15,000,000					19.24	\$288,600,000
Tall Tracks	miles	\$10,000,000			0,38	\$3,800,000	0.38	
Special Structures	iump sum						0.38	\$3,800,000
Busway At-Grade	miles	\$2,112,000	16.93	\$35,756,000				
Busway Elevated	miles							
Guldeway/Busway Total	, miles		216.93	\$35,756,000	19.62	\$138,480,000		
Systems	feet	\$1,200			103,600	\$124,320,000	19.62	\$292,400,000
Stations	jump sum			\$2,400,000	103,000	\$30,000,000	103,600	\$124,320,000
Parking	lump sum			\$5,640,000		\$5,625,000		\$100,000,000
Vehicles	lump sum			(\$7,200,000)		30000000000000000000000000000000000000		\$6,120,000
Sub Total				\$36,596,000		\$40,250,000		\$31,650,000
Did a constant in the constant	autosii Sir ii o saari ii liisa		· · · · · · · · · · · · · · · · · · ·			\$338,675,000		\$ 554,490,000
		@ 21%		\$7,685,000		\$71,122,000		\$116,443,000
Insurance	88+8 T	@ 4%		\$1,464,000		\$13,547,000		\$22,180,000
Right of Way	lump sum							### ₁₀₀ ,000
Sub Total				\$45,745,000		\$423,344,000		242242
Contingency		@20% 4		\$9,149,000		\$84,669,000		\$693,113,000
Grand Total				\$54,894,000		\$508,013,000		\$138,623,000 \$831,736,000
Cost/Mile				\$3,242,000	V.	\$25,891,000		\$42,390,000

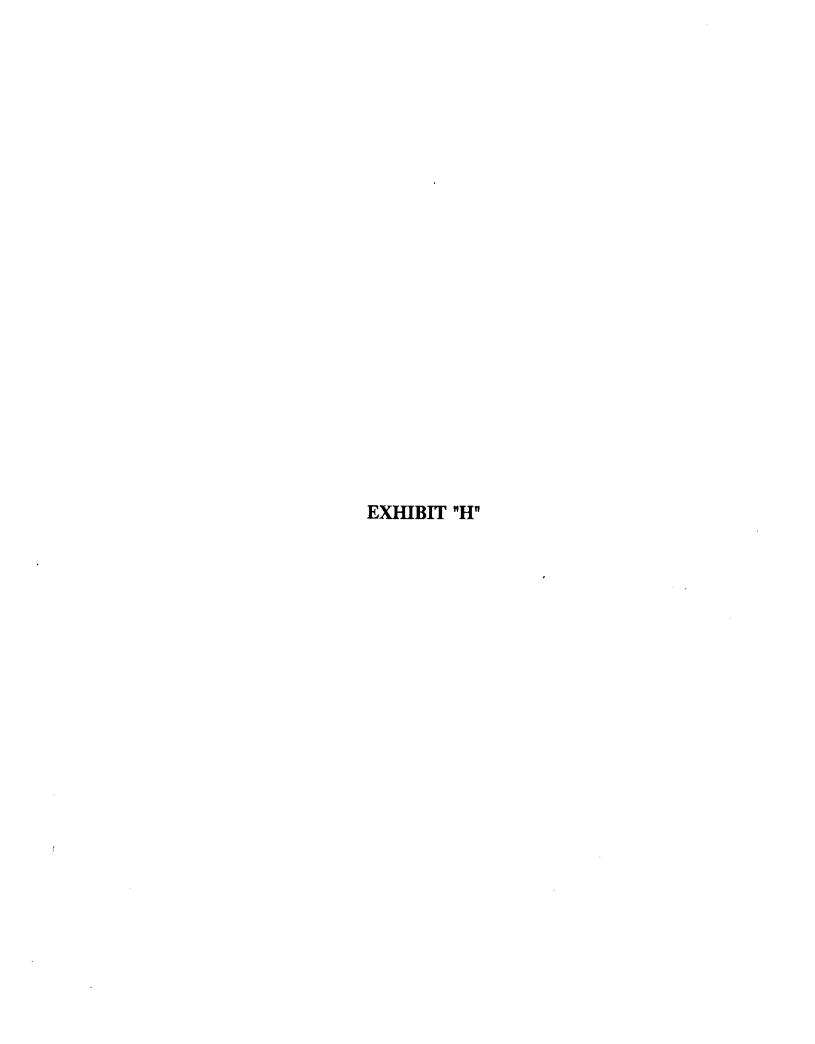
South Corridor Stations

"Hybrid" LRT Alternative \$2	"Hybrid" LRT	Alternative	S2:
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Station Location	Station Category	Station Cost Per Unit	Parking Spaces	Parking Cost @ Grade @ \$1500/Space	Parking Cost Elevated	Tota Cos	t
SW 112th St	3	\$2,500,000	0		@ \$7,500/Space	From	То
SW 136th St	3	\$2,500,000		\$0	\$ 0	\$2,500,000	
SW 152nd St	3	\$2,500,000		\$75,000	\$375,000	\$ 2,575,000	\$2,875 ,00 0
SW 175th St	3		0	\$0	\$ 0	\$2,500,000	\$2,500,000
SW 193rd St	3	\$2,500,000	620	\$930,000	\$4,650,000	\$3,430,000	\$7,150,000
SW 202nd St		\$2,500,000	0		\$0	\$2,500,000	\$ 2,500, 0 00
	3	\$2,500,000	500	\$750,000	\$3,750,000	\$3,250,000	\$6,250,000
Sub Total ->	6	\$15,000,000	1,170	\$1,755,000	\$8,775,000		
SW 226th St	3	\$2,500,000	60	\$90,000		\$16,755,000	\$23,775 ,0 00
SW 248th St	3	\$2,500,000	230	\$345,000	\$450,000	\$ 2,590,000	\$2,950,000
SW 268th St	3	\$2,500,000	660		\$1,725,000	\$2,845,000	\$4,225,000
SW 288th St	3	\$2,500,000	570	\$990,000	\$ 4,950,000	\$3,490,000	\$7,450,000
SW 3121h St	3	\$2,500,000		\$855,000	\$4,275,000	\$ 3,355,000	\$6,775,000
SW 344th St	$\frac{3}{3}$		780	\$1,170,000	\$5,850,000	\$3,670,000	\$8,350,000
		\$2,500,000	280	\$420,000	\$2,100,000	\$2,920,000	\$4,600,000
Sub Total ->	6	\$15,000,000	2,580	\$3,87 0,000	\$ 19,350,000	\$18,870,000	\$34,350,000
Total ->	12	\$30,000,000	3750	\$5,625,000	\$28,125,000	\$ 35,625,000	\$58,125,000

Metrorail Alternative S3:

Station Location	Station Category	Station Cost Per Unit	Parking Spaces	Parking Cost @ Grade	Parking Cost Elevated	Tota Cos	
SW 112th St	2	\$10,000,000	0	@ \$1500/Space	@ \$7,500/Space	From	То
SW 136th St	2		100	\$0	\$0	\$10,000,000	\$10,000,000
SW 152nd St		\$10,000,000	100	\$150,000	\$750,000	\$10,150,000	
	2	\$10,000,000	0		\$0		,,
SW 175th St	2	\$10,000,000	630	\$945,000		1 424,000,000	
SW 202nd St	2	\$10,000,000	560	\$840,000	\$4,200,000	, , , , , , , , , , , , , , , , , , , ,	+ , ,
Sub Total ->	5	\$50,000,000	1,290	\$1,935,000		 	
SW 226th St	2	\$10,000,000	180	\$270,000	,5.5,555		
SW 268th St	2	\$10,000,000	880		\$1,350,000		
SW 288th St		\$10,000,000		\$1,320,000	\$6,600,000		\$16,600,000
SW 312th &	2		620	\$930,000	\$4,650,000		\$14,650,000
SW 344th &		\$10,000,000	830	\$1,245,000	\$6,225,000	\$ 11,245,000	\$16,225,000
244 244 EE		\$10,000,000	280	\$420,000	\$2,100,000		\$12,100,000
Sub Total ->	5	\$50,000,000	2,790	\$4,185,000	\$20,925,000	\$54,185,000	\$70,925,000
Sub Total ->	10	\$100,000,000	4,080	\$6,120,000	\$30,600,000	\$106,120,000	\$130,600,000



		1	West B	Beach Corridor	- Seaport Lin	k Only		
				WB1	WB2			
		1	Metrorai	I—	SR 836			
			MacArthur			MacArthur		
		1	Causewa	,	Causeway			
			"Hybrid"		"Hybrid"			
	Units of		LRT		LRT			
Cost Categories	Measure	Unit Cost	Quantity	Total Cost	Quantity Total Cost			
Guideway At-Grade	miles	\$7,000,000						
Guldeway Elevated	miles	\$7,500,000	2.86	\$21,450,000	2.86	\$21,450,000		
Tail tracks	miles	\$10,000,000				0-1,.00,000		
Special Structures	lump sum							
Guideway Total	miles		2.86	\$21,450,000	2.86	\$21,450,000		
Systems	leet .	\$700	15,120	\$10,584,000	15,120	\$10,584,000		
Stations	lump sum			\$10,000,000		\$10,000,000		
Parking	lump sum					Occordance of the second secon		
Vehicles **	lump sum							
Sub Total				\$42,034,000		\$42,034,000		
Design/CM/Admin.		@ 21%		\$8,827,000		\$8,827,000		
Insurance		@ 4%		\$1,681,000		\$1,681,000		
Right of Way	lump sum							
Total Project				\$52,542,000		\$52,542,000		
Contingency		@ 20%		\$10,508,000		\$10,508,000		
Grand Total				\$ 63,050,0 0 0		\$63,050,000		
Cost/Mile				\$22,017,000		\$22,017,000		

^{**} Does not include vehicle costs.