

Tunnel Estimate New Jersey Single Tunnel Capital Costs

NEW JERSEY DIRECT SINGLE TRACK High Build- CAPITAL COST SUMMARY

Made by/Date: vk 5/17/02

Chk'd by/Date:

Rev by/Date: NM 4/24/03

ELEMENTS		TOTAL BY ELEMENTS
10	AT-GRADE CONSTRUCTION	\$295,586,595
11	ROADWAY/ HIGHWAYS/ INTERSECTIONS/ NEW BRIDGES	\$21,000,000
13	BRIDGE REPLACEMENT	\$117,159,300
14	BRIDGE PIER REPLACEMENT	\$6,241,120
15	BRIDGE UNDERPINNING	\$5,752,500
18	REHABILITATION OF EXISTING EAST NEW YORK TUNNEL STRUCTURE	\$136,000,000
21	OPEN-CUT - RETAINED (U-SECTIONS)	\$56,480,380
22	CUT & COVER CONSTRUCTION	\$328,860,070
23	IMMERSED TUBE TUNNEL	\$380,085,600
24	IMMERSED TUBE TUNNEL - BORED TUNNEL INTERFACE	\$31,660,304
27	BORED TUNNEL (Soft Ground)	\$436,069,095
28	BORED TUNNEL CROSS PASSAGE	\$15,000,000
29	SHAFTS	\$75,648,988
33	TUNNEL DRAINAGE	\$12,000,000
34	TUNNEL - FIRE PROTECTION SYSTEM	\$3,283,875
36	TUNNEL LIGHTING AND POWER	\$8,488,150
39	CORROSION PROTECTION	\$834,900
41	VENTILATION BUILDING (no equipment)	\$41,746,000
42	VENTILATION SYSTEMS	\$17,533,000
48	UTILITY RELOCATIONS	\$94,178,749
54	YARDS & FACILITIES (excl. Trackwork)	\$69,062,500
60	TRACKWORK	\$89,846,713
71	SIGNALING	\$26,722,830
72	COMMUNICATIONS (SCADA, OCC)	\$7,167,000
81	ROLLING STOCK	NOT INCLUDED
82	DESIGN CONTINGENCY	\$569,101,917
TOTAL - HARD COSTS (2002 DOLLARS)		\$2,845,509,586
84	PROPERTY/REAL ESTATE ACQ	\$150,000,000
90	FORCE ACCOUNT by Agency	\$10,000,000
91	CONCEPTUAL & PRELIMINARY ENGINEERING	\$270,495,863
92	FINAL ENGINEERING & CONSTRUCTION SUPPORT SERVICES	\$131,040,218
93	CONSTRUCTION MANAGEMENT	\$170,352,283
94	PROGRAM MANAGEMENT	\$178,869,898
93	OWNER'S COSTS	\$187,813,392
94	INSURANCE	\$59,161,219
96	CONSTRUCTION CONTINGENCY/OWNER RESERVE	\$200,162,123
97	ESCALATION @3%/yrs to Midpt of Constr 4yrs (Proj. Compl. 2010)	\$529,628,977
98	FINANCING [NOT INCLUDED]	NOT INCLUDED
TOTAL - SOFT COSTS		\$1,887,523,973
TOTAL - CAPITAL COST (YoE)		\$4,733,033,559

NEW JERSEY DIRECT SINGLE TRACK HIGH BUILD CAPITAL COST - DETAIL

Made by/Date: vk 5/17/02
 Ck'd by/Date:
 Rev by/Date: NM 4/24/03



ELEMENTS	Unit of Measure	Unit Price	CURRENT WORKING ESTIMATE							TOTAL BY ELEMENTS					
			NEW JERSEY - BROOKLYN QTY	TOTAL	BAY RIDGE LINE QTY	TOTAL	MONTAUK BRANCH QTY	TOTAL	BROOKLYN WATERFRONT QTY		TOTAL	PROJECT-WIDE QTY	TOTAL		
10 AT-GRADE CONSTRUCTION															
Retaining Walls - Presat	sf	\$185	0	\$0	670,300	\$130,708,500	148,600	\$28,977,000	132,447	\$25,827,165	951,347	\$185,512,665			\$295,698,595
Sound Walls	sf	\$35	0	\$0	275,600	\$9,646,000	248,000	\$8,680,000			523,600	\$18,326,000			\$18,326,000
Undercutting/Slope Embankment - Cut & Fill Construction	cy	\$200	0	\$0	673,351	\$60,699,000	99,806	\$11,234,482	3,979	\$3,088,848	777,146	\$76,020,330			\$76,020,330
Single Ditchbank Trench & Conduits - bhv two tracks	rl	\$200	7,478	\$1,495,600	51,500	\$10,380,000	12,915	\$2,595,000	11,345	\$2,269,000	83,638	\$16,727,600			\$16,727,600
11 ROADWAY/HIGHWAYS															\$21,000,000
Road & Bridge Impmts @ Maspoth - Interactions	allw	\$0		\$0				\$21,000,000		\$0		\$21,000,000			\$21,000,000
BRIDGE ELEMENTS 13 THROUGH 15															
13 BRIDGE REPLACEMENT	sf	\$1,047		\$0	65,800	\$68,882,000	45,100	\$48,266,700		\$0	111,900	\$117,153,300			\$117,153,300
14 BRIDGE PIER REPLACEMENT	ea	\$624,112		\$0	8	\$4,992,896	2	\$1,248,224		\$0	10	\$6,241,120			\$6,241,120
15 BRIDGE UNDERPINNING	sf	\$78		\$0	55,000	\$4,321,200	18,350	\$1,431,300		\$0	73,750	\$5,752,500			\$5,752,500
18 REHABILITATION OF EXISTING EAST NEW YORK TUNNEL STRUCTURE															\$138,000,000
TUNNELS (ELEMENTS 21 THRU 28)															\$1,248,155,449
21 OPEN-CUT - RETAINED (U-SECTIONS)	rl	\$23,339	2,420	\$56,480,380							2,420	\$56,480,380			\$56,480,380
22 CUT & COVER CONSTRUCTION	rl	\$78,959	4,165	\$328,860,070							4,165	\$328,860,070			\$328,860,070
23 IMMERSUED TUBE TUNNEL	rl	\$89,392	4,300	\$380,085,600							4,300	\$380,085,600			\$380,085,600
24 IMMERSUED TUBE TUNNEL - BORED TUNNEL INTERFACE	ea	\$1,660,304	1.00	\$1,660,304							1	\$1,660,304			\$1,660,304
27 BORED TUNNEL (Soft Ground)	rl	\$21,153	20,615	\$436,069,095							20,615	\$436,069,095			\$436,069,095
28 BORED TUNNEL CROSS PASSAGE	ea	\$3,000,000	5.00	\$15,000,000							5	\$15,000,000			\$15,000,000
29 SHAFTS/PORTALS	ea	\$18,912,247	4.00	\$75,649,988							4	\$75,649,988			\$75,649,988
33 TUNNEL DRAINAGE	ls			\$12,000,000								\$12,000,000			\$12,000,000
34 TUNNEL-FIRE PROTECTION SYSTEM	ls			\$3,283,875								\$3,283,875			\$3,283,875
38 TUNNEL LIGHTING & POWER	ls			\$9,489,150								\$9,489,150			\$9,489,150
Tunnel Lighting and Power	ls			\$624,500								\$624,500			\$624,500
39 CORROSION PROTECTION	ls			\$41,746,000							2	\$41,746,000			\$41,746,000
VENTILATION (Elements 41 & 42)				\$17,533,000								\$17,533,000			\$17,533,000
41 VENTILATION BUILDING (no equipment)	ea	\$20,873,000	2.00	\$41,746,000								\$41,746,000			\$41,746,000
42 VENTILATION SYSTEMS	ls			\$17,533,000								\$17,533,000			\$17,533,000
48 UTILITY RELOCATIONS	ls			\$25,408,000								\$25,408,000			\$25,408,000
Relocate Buckeye Pipe Line	ls			\$46,482,749								\$46,482,749			\$46,482,749
Major Utilities at Bay Ridge Branch	ls			\$8,855,000								\$8,855,000			\$8,855,000
Utility Relocations	ls			\$10,269,000								\$10,269,000			\$10,269,000
54 YARDS & FACILITIES (excl. Trackwork)				\$437,500.00								\$437,500.00			\$437,500.00
Greenmile Yard Improvements - (no facilities included)	acre	\$437,500.00	5.00	\$2,187,500							5	\$2,187,500			\$2,187,500
65th Street Yard Improvements - (no facilities included)	acre	\$437,500.00		\$437,500.00								\$437,500.00			\$437,500.00
Fresh Pond Yard Improvements - West Yard	allw			\$10,000,000								\$10,000,000			\$10,000,000
Maspoth Yard Intermodal Yard	acre	\$437,500.00	125.00	\$54,687,500							125	\$54,687,500			\$54,687,500
60 TRACKWORK				\$26,711								\$26,711			\$26,711
Mainline	tf	\$26,711		\$26,711								\$26,711			\$26,711
Trackwork															\$40,887,690

NEW JERSEY DIRECT SINGLE TRACK High Build CAPITAL COST - DETAIL

Made by/Date: vk 6/17/02
 Chk'd by/Date:
 Rev by/Date: NM 4/24/03



ELEMENTS	Unit of Measure	Unit Price	CURRENT WORKING ESTIMATE										TOTAL BY ELEMENTS					
			NEW JERSEY - BROOKLYN QTY	TOTAL	BAY RIDGE LINE QTY	TOTAL	MONTAUK BRANCH QTY	TOTAL	BROOKLYN WATERFRONT QTY	TOTAL	PROJECT-WIDE QTY	TOTAL						
Mainline - all, except Bay Ridge below	lf	\$197.00	62,490	\$12,310,530														
Sliding	lf	\$197.00		\$0														
Special Trackwork				\$0														
#10 TO	ea	\$262,869.00	4.00	\$1,051,476														
#15 TO	ea	\$329,400.00		\$0														
#20 TO	ea	\$395,601.00	3.00	\$1,187,793														
#15 Crossover	ea	\$544,200.00		\$0														
#20 Crossover	ea	\$644,087.00		\$0														
Bay Ridge	lf	\$197.00		\$0														
New Jersey/Wareh/Loop	lf	\$7,100,000.00	1	\$7,100,000														
Yards Trackwork																		
Maspeth Intermodal Yard																		
Trackwork	lf	\$197.00		\$0														
#10 TO	ea	\$262,869.00		\$0														
Fresh Pond																		
Mainline Connection																		
#10 TO	ea	\$262,869.00		\$0														
West Yard																		
Trackwork	lf	\$197.00		\$0														
#10 TO	ea	\$262,869.00		\$0														
Greenwie Yard - Trackwork																		
Trackwork	lf	\$197.00	11,200.00	\$2,206,400														
#10 TO	ea	\$262,869.00	9.00	\$2,365,821														
71 SIGNALING	lf																	
72 COMMUNICATIONS (SCADA, OCC)	lf																	
81 ROLLING STOCK	N/A																	
				\$1,447,864,482														
				\$407,412,617														
				\$349,445,932														
				\$37,955,018														
				\$33,889,830														
				\$29,722,830														
				\$7,167,000														
				\$32,276,407,669														
				\$37,955,018														
				\$9,448,755														
				\$47,243,773														
				\$436,807,115														
				\$150,000,000														
				\$2,995,509,566														
				\$10,000,000														
				\$3,005,509,566														
				\$270,495,863														
				\$3,275,005,449														
				\$131,040,218														
				\$3,407,045,667														
				\$170,352,283														
				\$3,577,397,950														
				\$150,000,000														
				\$2,995,509,566														
				\$10,000,000														
				\$3,005,509,566														
				\$270,495,863														
				\$3,275,005,449														
				\$131,040,218														
				\$3,407,045,667														
				\$170,352,283														
				\$3,577,397,950														

NEW JERSEY DIRECT SINGLE TRACK High Build CAPITAL COST - DETAIL

Made by/Date: vk 5/17/02
 Chkd by/Date:
 Rev by/Date: NM, 4/24/03

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ELEMENTS	Unit of Measure	Unit Price	NEW JERSEY - BROOKLYN			BAY RIDGE LINE			MONTAUK BRANCH			BROOKLYN WATERFRONT			PROJECT-WIDE			TOTAL BY ELEMENTS
			QTY	TOTAL	TOTAL	QTY	TOTAL	QTY	TOTAL	QTY	TOTAL	QTY	TOTAL	QTY	TOTAL	QTY	TOTAL	
94 PROGRAM MANAGEMENT	5%																\$179,869,898	
SUBTOTAL																	\$3,756,267,848	
93 OWNER'S COSTS	5%																\$197,813,992	
SUBTOTAL																	\$3,944,081,240	
94 INSURANCE	1.5%																\$59,151,219	
SUBTOTAL																	\$4,003,242,459	
98 CONSTRUCTION CONTINGENCY/OWNER RESERVE	5.0%																\$200,162,125	
SUBTOTAL																	\$4,203,404,582	
97 ESCALATION @ 3%/Yr to Mch of Const. 4/Yr (Proj. Compl. 2010)	12.6%																\$529,628,977	
SUBTOTAL																	\$4,733,033,559	
98 FINANCING (NOT INCLUDED)																	not included	
TOTAL - CAPITAL COST																	\$4,733,033,559	

Tunnel Estimate New Jersey Direct Capital Costs

Project: CROSS HARBOR FREIGHT MOVEMENT

CONFIDENTIAL

Location: NY/NJ

Client: NYC EDC

NJ DIRECT - CAPITAL COST SUMMARY

Made by/Date: vk 5/17/02

Chk'd by/Date:

Rev by/No./Date: NM 4/24/03

ELEMENTS		TOTAL BY ELEMENTS
10	AT-GRADE CONSTRUCTION	
11	ROADWAY/HIGHWAYS	\$316,002,251
13	BRIDGE REPLACEMENT	\$5,000,000
14	BRIDGE PIER REPLACEMENT	\$117,159,300
15	BRIDGE UNDERPINNING	\$6,241,120
18	REHABILITATION OF EXISTING EAST NEW YORK TUNNEL STRUCTURE	\$5,752,500
21	OPEN-CUT - RETAINED (U-SECTIONS)	\$136,000,000
22	CUT & COVER CONSTRUCTION	\$56,480,867
23	IMMERSED TUBE TUNNEL	\$328,861,709
24	IMMERSED TUBE TUNNEL - BORED TUNNEL INTERFACE	\$380,087,357
27	BORED TUNNEL (Soft Ground)	\$31,660,304
28	BORED TUNNEL CROSS PASSAGE	\$872,177,083
29	SHAFTS	\$30,000,000
33	TUNNEL DRAINAGE	\$75,648,989
34	TUNNEL - FIRE PROTECTION SYSTEM	\$20,000,000
36	TUNNEL LIGHTING & POWER	\$6,567,750
39	CORROSION PROTECTION	\$16,976,300
41	VENTILATION BUILDING (no equipment)	\$1,669,800
42	VENTILATION SYSTEM	\$41,745,000
48	UTILITY RELOCATIONS	\$35,065,800
54	YARDS & FACILITIES (excl. Trackwork)	\$95,582,417
60	TRACKWORK	\$866,004,500
71	SIGNALING	\$101,944,710
72	TUNNEL - FIRE PROTECTION SYSTEM	\$89,076,100
81	ROLLING STOCK	\$23,890,000
82	DESIGN CONTINGENCY	NOT INCLUDED
		\$914,898,464
TOTAL - HARD COSTS (2002 DOLLARS)		\$4,574,492,321
84	PROPERTY/REAL ESTATE ACQ	\$200,000,000
90	FORCE ACCOUNT by Agency	\$25,000,000
91	CONCEPTUAL & PRELIMINARY ENGINEERING	\$287,969,539
92	FINAL ENGINEERING & CONSTRUCTION SUPPORT SERVICES	\$203,498,474
93	CONSTRUCTION MANAGEMENT	\$264,548,017
94	PROGRAM MANAGEMENT	\$277,775,418
93	OWNER'S COSTS	\$291,664,188
94	INSURANCE	\$91,874,219
96	CONSTRUCTION CONTINGENCY/OWNER RESERVE	\$310,841,109
97	ESCALATION @3%/yrs to Midpt of Constr 4yrs (Proj. Compl. 2010)	\$822,485,574
98	FINANCING [NOT INCLUDED]	NOT INCLUDED
TOTAL - SOFT COSTS		\$2,775,656,538
TOTAL - CAPITAL COST (YoE)		\$7,350,148,859

3.4.1.1 NEW JERSEY DIRECT - CAPITAL COST SUMMARY

CURRENT WORKING ESTIMATE

ELEMENTS	Unit of Measure	Unit Price	NEW JERSEY - BROOKLYN QTY	BAY RIDGE LINE QTY	MONTAUK BRANCH QTY	BROOKLYN WATERFRONT QTY	PROJECT WIDE QTY	TOTAL QTY	TOTAL BY ELEMENTS
Yards Trackwork	lf								\$11,111,094
Middletown Intermediate Yard Trackwork	60	\$197.00	\$0	\$0	\$0	\$0	\$0	60,000	\$11,820,000
#10 TC Trackwork	60	\$262,869.00	\$0	\$0	\$0	\$0	\$0	32,000	\$8,411,808
Flash Point									\$7,102,192
Middletown Intermediate									\$1,840,083
#10 TC	60	\$262,869.00	\$0	\$0	\$0	\$0	\$0	12,000	\$3,154,428
Wesley Yard Trackwork	60	\$197.00	\$0	\$0	\$0	\$0	\$0	8,000	\$1,576,000
#10 TC Trackwork	60	\$262,869.00	\$0	\$0	\$0	\$0	\$0	9,000	\$2,365,821
Chesapeake Yard Trackwork	60	\$262,869.00	\$2,206,400	\$0	\$0	\$0	\$0	11,200	\$2,926,400
Trackwork									\$80,076,100
71 SIGNALING	ls								\$29,800,000
72 COMMUNICATIONS (ISCADA, CDS)	ls								\$12,456,100
81 ROLLING STOCK	WVA								\$1,059,500,867
			\$1,974,023,694	\$427,417,004	\$1,113,962,907	\$31,824,081	\$112,456,100	3,059,500,867	\$3,059,500,867
82 DESIGN CONTINGENCY	25%		493,526,824	105,354,261	276,340,746	8,555,016	28,241,526	873,578,367	\$14,988,464
TOTAL - HARD COST (2002 DOLLARS)			\$2,467,529,618	\$526,771,265	\$1,390,703,746	\$47,980,076	\$141,207,626	\$4,574,402,321	\$4,574,402,321
SOFTCOST									
84 PROPERTY/REAL ESTATE AG	1%						\$200,000,000		\$200,000,000
SUBTOTAL							\$200,000,000		\$200,000,000
86 FORCE ACCOUNT by Agency	ALLOW					1.00	\$5,000,000	1.00	\$5,000,000
SUBTOTAL							\$5,000,000		\$5,000,000
91 CONCEPTUAL & PRELIMINARY ENGINEERING	5%						\$287,969,539		\$287,969,539
SUBTOTAL							\$287,969,539		\$287,969,539
92 FINAL ENGINEERING & CONSTRUCTION SUPPORT SERVICES	4%						\$5,087,461,860		\$5,087,461,860
SUBTOTAL							\$5,087,461,860		\$5,087,461,860
95 CONSTRUCTION MANAGEMENT	5%						\$5,990,960,334		\$5,990,960,334
SUBTOTAL							\$5,990,960,334		\$5,990,960,334
94 PROGRAM MANAGEMENT	5%						\$311,176,417,555		\$311,176,417,555
SUBTOTAL							\$311,176,417,555		\$311,176,417,555
98 OWNERS COSTS	5%						\$291,694,198,403		\$291,694,198,403
SUBTOTAL							\$291,694,198,403		\$291,694,198,403
94 INSURANCE	1.5%						\$91,874,210		\$91,874,210
SUBTOTAL							\$91,874,210		\$91,874,210
96 CONSTRUCTION CONTINGENCY/OWNER RESERVE	3.0%						\$6,216,825,176		\$6,216,825,176
SUBTOTAL							\$6,216,825,176		\$6,216,825,176
97 ESCALATION @3% p.a. to July of Construction (Proj. Comp. 2010)	12.6%						\$6,627,663,285		\$6,627,663,285
SUBTOTAL							\$6,627,663,285		\$6,627,663,285
98 FINANCING (NOT INCLUDED)							\$7,350,148,859	not included	\$7,350,148,859
TOTAL - CAPITAL COST							\$7,550,148,859		\$7,550,148,859

3.4.1.1 NEW JERSEY DIRECT - CAPITAL COST SUMMARY

ELEMENTS	Unit of Measure	Unit Price	NEW JERSEY - BROOKLYN		BAY RIDGE LINE		MONTAUK BRANCH		BROOKLYN WATERFRONT		PROJECT-WIDE		TOTAL BY ELEMENTS
			QTY	TOTAL	QTY	TOTAL	QTY	TOTAL	QTY	TOTAL	QTY	TOTAL	
CURRENT WORKING ESTIMATE													
10.01 REPAIR CONSTRUCTION													
Reinforcing Walls (Precast)	SF	\$150	68,400	\$10,260,000	6,700,000	\$1,005,000	148,600	\$22,290,000	132,447	\$20,000,000	1,079,717	\$161,850,000	\$174,000,000
Sound Walls	SF	\$35	94,000	\$3,290,000	275,600	\$9,676,000	248,000	\$8,680,000			187,600	\$6,616,000	\$20,646,000
Underpinning/Sheet Pile Foundations	LF	\$100	47,200	\$4,720,000	672,000	\$67,200,000	99,800	\$9,980,000	3,079	\$307,900	492,304	\$49,230,400	\$79,807,900
Single Track/Track Trenches & Curbways (New New Tracks)	LF	\$200	7,478	\$1,495,600	31,900	\$6,380,000	12,915	\$2,583,000	11,345	\$2,269,000	83,638	\$16,727,600	\$24,965,200
11.01 ROADWAY HIGHWAYS													
Road Impacts & Geol. Sheet Work at Massport Intersections	AW	\$0		\$0		\$0		\$0			0	\$0	\$1,000,000
BRIDGE ELEMENTS IS THROUGH IS													
13.01 BRIDGE REPLACEMENT	SF	\$1,047		\$0	65,800	\$68,852,600	16,100	\$16,926,700		\$0	111,900	\$117,779,300	\$79,779,300
14.01 BRIDGE PILING/PIERCING	OR	\$624,112		\$0		\$4,692,896	2	\$1,248,224		\$0	10	\$6,241,120	\$7,490,000
15.01 BRIDGE UNDERPINNING	SF	\$78		\$0	55,400	\$4,321,200	16,350	\$1,275,300		\$0	71,750	\$5,596,500	\$6,871,800
REPAIR/RECONSTRUCTION OF EXISTING EAST NEW YORK TUNNEL STRUCTURE													
TUNNELS (ELEMENTS 21 THRU 28)													
21.01 OPEN CUT RETAINED JO SECTION	LF	\$23,398	2,400	\$56,157,200							2,400	\$56,157,200	\$56,157,200
22.01 CUT & COVER/CONSTRUCTION	LF	\$78,958	4,165	\$328,861,700							4,165	\$328,861,700	\$328,861,700
23.01 IMMERSED TUBE TUNNEL	LF	\$88,359	4,300	\$380,000,000							4,300	\$380,000,000	\$380,000,000
24.01 IMPROVED TUBE TUNNEL (REPAIR)	LF	\$1,000	1	\$1,000,000							1	\$1,000,000	\$1,000,000
27.01 RIGID TUNNEL (S&P) GROUND	LF	\$42,108	20,615	\$872,177,000							20,615	\$872,177,000	\$872,177,000
28.01 RIGID TUNNEL CROSS PASSAGE	OR	\$3,000,000	10	\$30,000,000							10	\$30,000,000	\$30,000,000
29.01 SHAFTS	OR	\$18,972,247	4	\$75,889,800							4	\$75,889,800	\$75,889,800
30.01 TUNNEL DRAINAGE	LS			\$20,000,000								\$20,000,000	\$20,000,000
34.01 TUNNEL FIRE PROTECTION SYSTEM	LS			\$5,567,700								\$5,567,700	\$5,567,700
36.01 TUNNEL LIGHTING & POWER	LS			\$16,976,300								\$16,976,300	\$16,976,300
38.01 CORROSION PROTECTION	LS			\$1,668,800								\$1,668,800	\$1,668,800
VENTILATION (ELEMENTS 41 & 42)													
41.01 VENTILATION BUILDING (no equipment)	OR	\$20,872,500	2	\$41,745,000							2	\$41,745,000	\$41,745,000
42.01 VENTILATION SYSTEMS	LS			\$5,015,900								\$5,015,900	\$5,015,900
UTILITY RELOCATIONS													
46.01 UTILITY RELOCATIONS	LS			\$10,420,971								\$10,420,971	\$10,420,971
Electric (Bulkhead Pipe Line)	LS			\$25,408,000								\$25,408,000	\$25,408,000
Major Utilities at Bay Hedge Branch	LS			\$46,482,749								\$46,482,749	\$46,482,749
Utility Relocations	LS			\$9,709,237								\$9,709,237	\$9,709,237
54.01 YARDS & FACILITIES (incl. Trackwork)	LS			\$15,312,500								\$15,312,500	\$15,312,500
Operational Yard Improvements (no facilities included)	LS			\$4,500,000								\$4,500,000	\$4,500,000
Operational Yard Improvements (no facilities included)	LS			\$4,482,749								\$4,482,749	\$4,482,749
Fresh Pond Yard Improvements - Wash Yard	LS			\$6,329,751								\$6,329,751	\$6,329,751
Masport Yard Intermodal Yard	LS			\$8,199,991								\$8,199,991	\$8,199,991
60.01 TRACKWORK	LS			\$14,942,000								\$14,942,000	\$14,942,000
Mainline	LS			\$3,267,711								\$3,267,711	\$3,267,711
Trackwork	LS			\$1,197,000								\$1,197,000	\$1,197,000
Mainline (all except Bay Hedge/Loop)	LS			\$1,970,711								\$1,970,711	\$1,970,711
Signal	LS			\$179,000								\$179,000	\$179,000
Special Trackwork	LS			\$207,889,000								\$207,889,000	\$207,889,000
#10 TO	LS			\$329,400,000								\$329,400,000	\$329,400,000
#15 TO	LS			\$365,601,000								\$365,601,000	\$365,601,000
#20 TO	LS			\$544,200,000								\$544,200,000	\$544,200,000
#15 Crossover	LS			\$844,082,000								\$844,082,000	\$844,082,000
#20 Crossover	LS			\$197,000								\$197,000	\$197,000
Bay Ridge	LS			\$7,100,000,000								\$7,100,000,000	\$7,100,000,000
New Jersey Waverly Loop	LS			\$7,100,000,000								\$7,100,000,000	\$7,100,000,000