BANFIELD FUNDING/COST SUMMARY

Project Cost (including 7-21-82 contracts)

	LRT Work	Highway Work
Contracts	$ 68.34 million	$ 51.24 million
Estimates	74.67	61.39
	$143.01 million	$112.63 million

Project Financing (including 12-31-81 escalation)

Interstate Transfer	$ 82.43 million	$ 26.60 million
		73.50
Section 3	8.90	
	23.50	
Local Match	22.65	17.70
	$137.48 million	$117.80 million
Excess <Shortfall>	$ <5.50 million>	$ 5.20 million

ACC:lmk
7-21-82

BANFIELD FUNDING AUTHORIZATION

Escalation and Obligations as of 12-31-81

PROJECT CATEGORIES	FUNDING SOURCES: Section 3 Funding	Interstate Transfer Funding: Transit e(4)	Interstate Transfer Funding: Highway e(4)	Interstate Transfer Funding: Total e(4)	TOTAL FUNDING
I. Banfield LRT Work					
A. Past Obligations (fed. share)	$ 8,900,000	$ 15,846,482		$ 15,846,482	$ 24,746,482
Local Match	2,225,000	2,796,438		2,796,438	5,021,438
B. Unobligated Bal. (fed. share)	23,486,385	66,607,411		66,607,411	90,093,796
Local Match	5,871,596	11,754,249		11,754,249	17,625,845
Total Federal Authorization	32,386,385	82,453,893		82,453,893	114,840,278
Total Local Match	8,096,596	14,550,687		14,550,687	22,647,283
GRAND TOTAL - LRT	$ 40,482,981	$ 97,004,580		$ 97,004,580	$137,487,561
II. Banfield Highway Work					
Costs Attributed to Tri-Met					
A. Past Obligations (fed. share)		$ 11,807,605		$ 11,807,605	$ 11,807,605
Local Match		2,083,695		2,083,695	2,083,695
B. Unobligated Bal. (fed. share)		21,969,371		21,969,371	21,969,371
Local Match		3,876,948		3,876,948	3,876,948
Total Federal Authorization		33,776,976		33,776,976	33,776,976
Total Local Match		5,960,642		5,960,642	5,960,642
Sub-Total - Tri-Met		39,737,618		39,737,618	39,737,618
Costs Attributed to ODOT					
A. Past Obligations (fed. share)		0	$14,184,501	14,184,501	14,184,501
Local Match		0	2,503,147	2,503,147	2,503,147
B. Unobligated Bal. (fed. share)		39,765,180	12,394,000	52,159,180	52,159,180
Local Match		7,017,385	2,187,176	9,204,561	9,204,561
Total Federal Authorization		39,765,180	26,578,501	66,343,681	66,343,681
Total Local Match		7,017,385	4,690,323	11,707,708	11,707,708
Sub-Total - ODOT		46,782,565	31,268,824	78,051,389	78,051,389
GRAND TOTAL - HIGHWAY		86,520,183	31,268,824	117,789,007	117,789,007
III. Total Banfield Project					
A. Project Obligations	8,900,000	27,654,087	14,184,501	41,838,588	50,738,588
B. Project Unobligated Balance	23,486,385	128,341,962	12,394,000	140,735,962	164,222,247
Total Federal Authorization	32,386,385	155,996,049	26,578,501	182,574,550	214,960,935
Total Local Match	8,096,596	27,528,714	4,690,323	32,219,037	40,315,633
PROJECT GRAND TOTAL	40,482,981	183,524,763	31,268,824	214,793,587	255,276,568

BANFIELD LRT COST ESTIMATES
Including Contracts as of 7-15-82

	Base Estimates April, 1980	Local Authorization as of 12-31-81 (137.5/107.4 = 1.2803)	Contracts	Estimates	Total Cost	Excess <Shortfall>
I. Systemwide Elements:						
A) Vehicle & System Consultants	$ 2,831,000	$ 3,624,500	$ 3,150,000	--	$ 3,150,000	$ 474,500
Vehicles & Spare Parts	25,800,000	33,031,100	26,000,000	--	26,000,000	7,031,100
Maintenance Facility:	10,645,000	13,628,500	--	--	12,812,000	816,500
Shops $7,000,000		8,961,900	7,862,000	--	7,862,000	
Yards $1,845,000		2,362,100	--	$ 3,600,000	3,600,000	
Tools & Equip. $1,800,000		2,304,500	--	1,350,000	1,350,000	
Wayside Lifts	700,000	896,200	900,000	--	900,000	<3,800>
Electrification	11,740,000	15,030,400	9,978,000	--	9,978,000	5,052,400
Signals System	1,800,000	2,304,500	--	3,800,000	3,800,000	<1,495,500>
Communications	650,000	832,200	--	800,000	800,000	32,200
Maintenance & Service Equipment (includes work vehicles)	600,000	768,200	--	650,000	650,000	118,200
Sub-Total	$ 54,766,000	$ 70,115,600	$47,890,000	$10,200,000	$ 58,090,000	$12,025,600
B) Civil & Station Consultants	$ 1,879,000	$ 2,405,600	$ 4,359,000	--	$ 4,359,000	<1,953,400>
Rail Procurement	4,030,000	5,159,500	4,028,000	1,972,000	6,000,000	<840,500>
Tie Procurement	1,010,000	1,293,100	1,771,000	--	1,771,000	<477,900>
Special Trackwork	1,010,000	1,293,100	1,494,000	--	1,494,000	<200,900>
Rail Welding	340,000	435,300	--	500,000	500,000	<64,700>
Grade Crossing Procurement	1,340,000	1,715,600	--	1,500,000	1,500,000	215,600
Traffic Signal Equipment	569,000	728,500	--	1,000,000	1,000,000	<271,500>
Signs & Graphics Procurement	166,000	212,500	--	300,000	300,000	<87,500>
Track Installation	6,674,000	8,544,600	--	11,000,000	11,000,000	<2,455,400>
Sub-Total	$ 17,018,000	$ 21,787,800	$11,652,000	$16,272,000	$ 27,924,000	<$ 6,136,200>
C) Support Services	$ 5,200,000	$ 6,657,400	$ 7,000,000	--	$ 7,000,000	<342,600>
Fare Collection Equipment	1,200,000	1,536,300	--	1,300,000	1,300,000	236,300
Contingency	1,262,000	1,615,700	1,800,000	--	1,800,000	<184,300>
Planning Studies	0	0	0	0	0	0
Sub-Total	$ 7,662,000	$ 9,809,400	$ 8,800,000	$ 1,300,000	$ 10,100,000	$ <290,600>
Sub-Total Systemwide Elements	$ 79,446,000	101,712,800	68,342,000	27,772,000	96,114,000	5,598,800
II. Individual Segments: (Utilities, Streets, Sub-Grade Stations, P & R lot)						
A) Line Section 1 (Gresham to 199th Street)	$ 2,017,000	2,582,300	--	4,200,000	4,200,000	<1,617,700>
Line Section 2 (199th Street to Gateway)	15,061,000	19,282,200	--	20,800,000	20,800,000	<1,517,800>
Line Section 3 (Gateway to Lloyd Center)	3,006,000	3,848,500	--	5,800,000	5,800,000	<1,951,500>
Line Section 4 (Lloyd Center to 11th Avenue Terminal)	7,859,000	10,061,752	--	16,100,000	16,100,000	<6,038,248>
Sub-Total Individual Segments	$ 27,943,000	35,774,752	--	46,900,000	46,900,000	<11,125,248>
TOTAL TRANSIT COST	$107,389,000	$137,487,561	$ 68,342,000	$74,672,000	$143,014,000	$<5,526,439>
III. Funding Authorization						
A) Interstate Transfer	$ 26,000,000	$ 82,453,893				
B) Section 3	60,900,000	8,900,000 23,486,385				
C) Local Match	20,500,000	22,647,283				
TOTAL	$107,400,000	$137,487,561				

7-27-82
AC:lmk

BANFIELD HIGHWAY COST ESTIMATES

Including Contracts as of 7-15-82

	Base Estimates April, 1980	Local Authorization as of 12/31/81	Contracts	Estimates	Total Cost	Excess <Shortfall>
I. Preliminary Engineering	$ 1,910,482	$ 1,910,482	$ 1,910,482	--	$ 1,910,482	0
II. Attributed to ODOT		(76.14/78.64 = 96.818%)				
Right-of-Way	11,046,000	10,694,560	8,358,000	$ 2,688,000	11,046,000	$ <351,400>
Banfield Reconstruction	62,089,000	60,113,587	--	--	55,781,000	4,332,587
Phase I $30,122,000		29,163,650	23,814,000	--	23,814,000	--
Phase II $31,967,000		30,949,950	--	31,967,000	31,967,000	--
Steel Bridge & Ramps	5,508,000	5,332,760	--	5,508,000	5,508,000	<175,240>
Sub-Total - ODOT	$ 78,643,000	$ 76,140,907	$32,172,000	$40,163,000	$ 72,335,000	$3,805,907
III. Attributed to Tri-Met		(39.74/40.23 = 98.7859%)				
Right-of-Way	$ 12,705,000	$ 12,550,750	$ 9,400,000	$ 3,305,000	$ 12,705,000	$ <154,250>
Banfield Reconstruction	15,621,000	15,431,350	--	--	13,782,000	1,649,350
Phase I $9,594,000		9,477,500	7,755,000	--	7,755,000	--
Phase II $6,027,000		5,953,850	--	6,027,000	6,027,000	--
Steel Bridge & Ramps	4,366,000	4,313,000	--	4,366,000	4,366,000	<53,000>
I-205	7,534,000	7,442,518	--	7,534,000	7,534,000	<91,482>
Sub-Total - Tri-Met	$ 40,226,000	$ 39,737,618	$17,155,000	$21,232,000	$ 38,387,000	$1,350,618
TOTAL HIGHWAY COSTS	$120,779,482	$117,789,007	$51,237,482	$61,395,000	$112,632,482	$5,156,525
IV. Funding Authorization						
A) Interstate Transfer	$102,662,600	$100,120,657				
B) Local Match	18,116,900	17,668,350				
TOTAL	$120,779,500	$117,789,007				

Banfield Funding/Cost Status

I. Banfield Cost Estimate

A. LRT Construction

Cost Estimate	$150.0 million	including one-half street Morrison/ Yamhill improvement
Local Funding Authority		
e(4)	$ 82.5 million	
Section 3	{ 8.9 million	
	{23.5 million	
Local Match	22.7 million	
TOTAL FUNDING	$137.6 million	including escalation as of 12-81
Shortfall as of 12-81	12.4 million	
7% De-escalation to 3-82 - Additional Shortfall	4.6 million	
CONCLUSION	$ 17.± Tri-Met	Shortfall

B. Highway Construction

Cost Estimate	$120.5 million	
Local Funding Authority		
e(4) from FHWA	$ 26.6 million	
e(4) thru UMTA	73.6 million	
Local Match	17.7 million	
TOTAL FUNDING	$117.9 million	
Shortfall as of 12-81	2.6 million	
7% De-escalation to 3-82 likely to cancel savings due to low bids		
CONCLUSION	$ 0	ODOT Shortfall/Surplus

II. Problem Definition

A. General Tri-Met LRT shortfall	$ 17.± million	
B. Additional need for financing to Morrison/Yamhill	6.0 million	
C. Additional need for financing for Vintage Trolley	2.5 million	
	$ 25.5 million	

III. Possible Solutions (in descending order of feasibility)

A. Tentative allocation of Westside "Section 3 Trade" funding includes $8 million for downtown Portland transit improvements.

B. Unspent e(4) funding set aside for highway projects in Portland - $46 million.

C. Tentative allocation of Westside "Section 3 Trade" funding set aside for bus purchase - $20 million.

D. Scale back other "Category I" projects:
I-505 Alternative . . . . . $25 million
McLoughlin. . . . . $24 million
217/Sunset. . . . . $14 million

E. Unspent e(4) funding set aside for Westside highway projects - $17 million.

IV. Issues for Discussion

- Which "solutions" to pursue
- Timing of decisions
- How does Tri-Met propose to initiate
- How does Tri-Met want Metro to help

ACC:lmk
7-16-82

BANFIELD FUNDING AUTHORIZATION
Escalation and Obligations as of 12-31-81

PROJECT CATEGORIES	FUNDING SOURCES: Section 3 Funding	Interstate Transfer Funding: Transit e(4)	Interstate Transfer Funding: Highway e(4)	Interstate Transfer Funding: Total e(4)	TOTAL FUNDING
I. Banfield LRT Work					
A. Past Obligations (fed. share)	$ 8,900,000	$ 15,846,482		$ 15,846,482	$ 24,746,482
Local Match	2,225,000	2,796,438		2,796,438	5,021,438
B. Unobligated Bal. (fed. share)	23,486,385	66,607,411		66,607,411	90,093,796
Local Match	5,871,596	11,754,249		11,754,249	17,625,845
Total Federal Authorization	32,386,385	82,453,893		82,453,893	114,840,278
Total Local Match	8,096,596	14,550,687		14,550,687	22,647,283
GRAND TOTAL - LRT	$ 40,482,981	$ 97,004,580		$ 97,004,580	$137,487,561
II. Banfield Highway Work					
Costs Attributed to Tri-Met					
A. Past Obligations (fed. share)		$ 11,807,605		$ 11,807,605	$ 11,807,605
Local Match		2,083,695		2,083,695	2,083,695
B. Unobligated Bal. (fed. share)		21,969,371		21,969,371	21,969,371
Local Match		3,876,948		3,876,948	3,876,948
Total Federal Authorization		33,776,976		33,776,976	33,776,976
Total Local Match		5,960,642		5,960,642	5,960,642
Sub-Total - Tri-Met		39,737,618		39,737,618	39,737,618
Costs Attributed to ODOT					
A. Past Obligations (fed. share)		0	$14,184,501	14,184,501	14,184,501
Local Match		0	2,503,147	2,503,147	2,503,147
B. Unobligated Bal. (fed. share)		39,765,180	12,394,000	52,159,180	52,159,180
Local Match		7,017,385	2,187,176	9,204,561	9,204,561
Total Federal Authorization		39,765,180	26,578,501	66,343,681	66,343,681
Total Local Match		7,017,385	4,690,323	11,707,708	11,707,708
Sub-Total - ODOT		46,782,565	31,268,824	78,051,389	78,051,389
GRAND TOTAL - HIGHWAY		86,520,183	31,268,824	117,789,007	117,789,007
III. Total Banfield Project					
A. Project Obligations	8,900,000	27,654,087	14,184,501	41,838,588	50,738,588
B. Project Unobligated Balance	23,486,385	128,341,962	12,394,000	140,735,962	164,222,247
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BANFIELD FUNDING AUTHORIZATION

Escalation and Obligations as of 12-31-81

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Local Match	5,871,596	11,754,249		11,754,249	17,625,845
Total Federal Authorization	32,386,385	82,453,893		82,453,893	114,840,278
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GRAND TOTAL - HIGHWAY		86,520,183	31,268,824	117,832,118	117,832,116
III. Total Banfield Project					
A. Project Obligations	8,900,000	27,654,087	14,184,501	41,838,588	50,738,588
B. Project Unobligated Balance	23,486,385	128,341,962	12,394,000	140,735,962	164,222,247
Total Federal Authorization	32,386,385	155,996,049	26,578,501	182,574,550	214,960,935
Total Local Match	8,096,596	27,528,714	4,690,323	32,219,037	40,315,633
PROJECT GRAND TOTAL	40,482,981	183,524,763	31,268,824	214,793,587	255,276,568

BANFIELD FUNDING AUTHORIZATION
Escalation and Obligations as of 12-31-81

PROJECT CATEGORIES	FUNDING SOURCES: Section 3 Funding	Interstate Transfer Funding: Transit e(4)	Interstate Transfer Funding: Highway e(4)	Interstate Transfer Funding: Total e(4)	TOTAL FUNDING
I. Banfield LRT Work					
A. Past Obligations (fed. share)	$ 8,900,000	$ 15,846,482		$ 15,846,482	$ 24,746,482
Local Match	2,225,000	2,796,438		2,796,438	5,021,438
B. Unobligated Bal. (fed. share)	23,486,385	66,607,411		66,607,411	90,093,796
Local Match	5,871,596	11,754,249		11,754,249	17,625,845
Total Federal Authorization	32,386,385	82,453,893		82,453,893	114,840,278
Total Local Match	8,096,596	14,550,687		14,550,687	22,647,283
GRAND TOTAL - LRT	$ 40,482,981	$ 97,004,580		$ 97,004,580	$137,487,561
II. Banfield Highway Work					
Costs Attributed to Tri-Met					
A. Past Obligations (fed. share)		$ 11,807,605		$ 11,807,605	$ 11,807,605
Local Match		2,083,695		2,083,695	2,083,695
B. Unobligated Bal. (fed. share)		21,969,371		21,969,371	21,969,371
Local Match		3,876,948		3,876,948	3,876,948
Total Federal Authorization		33,776,976		33,776,976	33,776,976
Total Local Match		5,960,642		5,960,642	5,960,642
Sub-Total - Tri-Met		39,737,618		39,737,618	39,737,618
Costs Attributed to ODOT					
A. Past Obligations (fed. share)		0	$14,184,501	14,184,501	14,184,501
Local Match		0	2,503,147	2,503,147	2,503,147
B. Unobligated Bal. (fed. share)		39,765,180	12,394,000	52,159,180	52,159,180
Local Match		7,017,385	2,187,176	9,204,561	9,204,561
Total Federal Authorization		39,765,180	26,578,501	66,343,681	66,343,681
Total Local Match		7,017,385	4,690,323	11,707,708	11,707,708
Sub-Total - ODOT		46,782,565	31,268,824	78,051,389	78,051,389
GRAND TOTAL - HIGHWAY		86,520,183	31,268,824	117,789,007	117,789,007
III. Total Banfield Project					
A. Project Obligations	8,900,000	27,654,087	14,184,501	41,838,588	50,738,588
B. Project Unobligated Balance	23,486,385	128,341,962	12,394,000	140,735,962	164,222,247
Total Federal Authorization	32,386,385	155,996,049	26,578,501	182,574,550	214,960,935
Total Local Match	8,096,596	27,528,714	4,690,323	32,219,037	40,315,633
PROJECT GRAND TOTAL	40,482,981	183,524,763	31,268,824	214,793,587	255,276,568

BANFIELD LRT COST ESTIMATES
Including Contracts as of 7-15-82

	Base Estimates April, 1980	Local Authorization as of 12-31-81 (137.5/107.4 = 1.2803)	Contracts	Estimates	Total Cost	Excess <Shortfall>
I. Systemwide Elements:						
A) Vehicle & System Consultants	$ 2,831,000	$ 3,624,500	$ 3,150,000	--	$ 3,150,000	$ 474,500
Vehicles & Spare Parts	25,800,000	33,031,100	26,000,000	--	26,000,000	7,031,100
Maintenance Facility:	10,645,000	13,628,500	--	--	12,812,000	816,500
Shops $7,000,000		8,961,900	7,862,000	--	7,862,000	
Yards $1,845,000		2,362,100	--	$ 3,600,000	3,600,000	
Tools & Equip. $1,800,000		2,304,500	--	1,350,000	1,350,000	
Wayside Lifts	700,000	896,200	900,000	--	900,000	<3,800>
Electrification	11,740,000	15,030,400	9,978,000	--	9,978,000	5,052,400
Signals System	1,800,000	2,304,500	--	3,800,000	3,800,000	<1,495,500>
Communications	650,000	832,200	--	800,000	800,000	32,200
Maintenance & Service Equipment (includes work vehicles)	600,000	768,200	--	650,000	650,000	118,200
Sub-Total	$ 54,766,000	$ 70,115,600	$47,890,000	$10,200,000	$ 58,090,000	$12,025,600
B) Civil & Station Consultants	$ 1,879,000	$ 2,405,600	$ 4,359,000	--	$ 4,359,000	<1,953,400>
Rail Procurement	4,030,000	5,159,500	4,028,000	1,972,000	6,000,000	<840,500>
Tie Procurement	1,010,000	1,293,100	1,771,000	--	1,771,000	<477,900>
Special Trackwork	1,010,000	1,293,100	1,494,000	--	1,494,000	<200,900>
Rail Welding	340,000	435,300	--	500,000	500,000	64,700
Grade Crossing Procurement	1,340,000	1,715,600	--	1,500,000	1,500,000	<215,600>
Traffic Signal Equipment	569,000	728,500	--	1,000,000	1,000,000	<271,500>
Signs & Graphics Procurement	166,000	212,500	--	300,000	300,000	<87,500>
Track Installation	6,674,000	8,544,600	--	11,000,000	11,000,000	<2,455,400>
Sub-Total	$ 17,018,000	$ 21,787,700	$11,652,000	$16,272,000	$ 27,924,000	<$ 6,136,300>
C) Support Services	$ 5,200,000	$ 6,657,400	$ 7,000,000	--	$ 7,000,000	<342,600>
Fare Collection Equipment	1,200,000	1,536,300	--	1,300,000	1,300,000	236,300
Contingency	1,262,000	1,615,700	1,800,000	--	1,800,000	<184,300>
Planning Studies	0	0	0	0	0	0

Sub-Total	$ 7,662,000	$ 9,809,500	$ 8,800,000	$ 1,300,000	$ 10,100,000	$ <290,500>
Sub-Total Systemwide Elements	$ 79,446,000	101,712,800	68,342,000	27,772,000	96,114,000	5,598,800
II. Individual Segments: (Utilities, Streets, Sub-Grade Stations, P & R lot)						
A) Line Section 1 (Gresham to 199th Street)	$ 2,017,000	2,582,300	--	4,200,000	4,200,000	<1,617,700>
Line Section 2 (199th Street to Gateway)	15,061,000	19,282,200	--	20,800,000	20,800,000	<1,517,800>
Line Section 3 (Gateway to Lloyd Center)	3,006,000	3,848,500	--	5,800,000	5,800,000	<1,951,500>
Line Section 4 (Lloyd Center to 11th Avenue Terminal)	7,859,000	10,061,700	--	16,100,000	16,100,000	<6,038,300>
Sub-Total Individual Segments	$ 27,943,000	35,774,752	--	46,900,000	46,900,000	<11,125,248>
TOTAL TRANSIT COST	$107,389,000	$137,487,561	$ 68,342,000	$74,672,000	$143,014,000	$<5,526,439>
III. Funding Authorization						
A) Interstate Transfer	$ 26,000,000	$ 82,453,893				
B) Section 3	60,900,000	8,900,000 23,486,385				
C) Local Match	20,500,000	22,647,283				
TOTAL	$107,400,000	$137,487,561				

BANFIELD LRT COST ESTIMATES
Including Contracts as of 7-15-82

	Base Estimates April, 1980	Local Authorization as of 12-31-81 (137.5/107.4 = 1.2803)	Contracts	Estimates	Total Cost	Excess <Shortfall>
I. Systemwide Elements:						
A) Vehicle & System Consultants	$ 2,831,000	$ 3,624,500	$ 3,150,000	--	$ 3,150,000	$ 474,500
Vehicles & Spare Parts	25,800,000	33,031,100	26,000,000	--	26,000,000	7,031,100
Maintenance Facility:	10,645,000	13,628,500	--	--	12,812,000	816,500
Shops $7,000,000		8,961,900	7,862,000	--	7,862,000	
Yards $1,845,000		2,362,100	--	$ 3,600,000	3,600,000	
Tools & Equip. $1,800,000		2,304,500	--	1,350,000	1,350,000	
Wayside Lifts	700,000	896,200	900,000	--	900,000	<3,800>
Electrification	11,740,000	15,030,400	9,978,000	--	9,978,000	5,052,400
Signals System	1,800,000	2,304,500	--	3,800,000	3,800,000	<1,495,500>
Communications	650,000	832,200	--	800,000	800,000	32,200
Maintenance & Service Equipment (includes work vehicles)	600,000	768,200	--	650,000	650,000	118,200
Sub-Total	$ 54,766,000	$ 70,115,600	$47,890,000	$10,200,000	$ 58,090,000	$12,025,600
B) Civil & Station Consultants	$ 1,879,000	$ 2,405,600	$ 4,359,000	--	$ 4,359,000	<1,953,400>
Rail Procurement	4,030,000	5,159,500	4,028,000	1,972,000	6,000,000	<840,500>
Tie Procurement	1,010,000	1,293,100	1,771,000	--	1,771,000	<477,900>
Special Trackwork	1,010,000	1,293,100	1,494,000	--	1,494,000	<200,900>
Rail Welding	340,000	435,300	--	500,000	500,000	64,700
Grade Crossing Procurement	1,340,000	1,715,600	--	1,500,000	1,500,000	<215,600>
Traffic Signal Equipment	569,000	728,500	--	1,000,000	1,000,000	<271,500>
Signs & Graphics Procurement	166,000	212,500	--	300,000	300,000	<87,500>
Track Installation	6,674,000	8,544,600	--	11,000,000	11,000,000	<2,455,400>
Sub-Total	$ 17,018,000	$ 21,787,700	$11,652,000	$16,272,000	$ 27,924,000	<$ 6,136,300>
C) Support Services	$ 5,200,000	$ 6,657,400	$ 7,000,000	--	$ 7,000,000	<342,600>
Fare Collection Equipment	1,200,000	1,536,300	--	1,300,000	1,300,000	236,300
Contingency	1,262,000	1,615,700	1,800,000	--	1,800,000	<184,300>
Planning Studies	0	0	0	0	0	0
Sub-Total	$ 7,662,000	$ 9,809,500	$ 8,800,000	$ 1,300,000	$ 10,100,000	$ <290,500>
Sub-Total Systemwide Elements	$ 79,446,000	101,712,800	68,342,000	27,772,000	96,114,000	5,598,800
II. Individual Segments: (Utilities, Streets, Sub-Grade Stations, P & R lot)						
A) Line Section 1 (Gresham to 199th Street)	$ 2,017,000	2,582,300	--	4,200,000	4,200,000	<1,617,700>
Line Section 2 (199th Street to Gateway)	15,061,000	19,282,200	--	20,800,000	20,800,000	<1,517,800>
Line Section 3 (Gateway to Lloyd Center)	3,006,000	3,848,500	--	5,800,000	5,800,000	<1,951,500>
Line Section 4 (Lloyd Center to 11th Avenue Terminal)	7,859,000	10,061,700	--	16,100,000	16,100,000	<6,038,300>
Sub-Total Individual Segments	$ 27,943,000	35,774,752	--	46,900,000	46,900,000	<11,125,248>
TOTAL TRANSIT COST	$107,389,000	$137,487,561	$ 68,342,000	$74,672,000	$143,014,000	$<5,526,439>
III. Funding Authorization						
A) Interstate Transfer	$ 26,000,000	$ 82,453,893				
B) Section 3	60,900,000	8,900,000 23,486,385				
C) Local Match	20,500,000	22,647,283				
TOTAL	$107,400,000	$137,487,561				

BANFIELD LRT COST ESTIMATES
Including Contracts as of 7-15-82

	Base Estimates April, 1980	Local Authorization as of 12-31-81 (137.5/107.4 = 1.2803)	Contracts	Estimates	Total Cost	Excess <Shortfall>
I. Systemwide Elements:						
A) Vehicle & System Consultants	$ 2,831,000	$ 3,624,500	$ 3,150,000	--	$ 3,150,000	$ 474,500
Vehicles & Spare Parts	25,800,000	33,031,100	26,000,000	--	26,000,000	7,031,100
Maintenance Facility:	10,645,000	13,628,500	--	--	12,812,000	816,500
Shops $7,000,000		8,961,900	7,862,000	--	7,862,000	
Yards $1,845,000		2,362,100	--	$ 3,600,000	3,600,000	
Tools & Equip. $1,800,000		2,304,500	--	1,350,000	1,350,000	
Wayside Lifts	700,000	896,200	900,000	--	900,000	<3,800>
Electrification	11,740,000	15,030,400	9,978,000	--	9,978,000	5,052,400
Signals System	1,800,000	2,304,500	--	3,800,000	3,800,000	<1,495,500>
Communications	650,000	832,200	--	800,000	800,000	32,200
Maintenance & Service Equipment (includes work vehicles)	600,000	768,200	--	650,000	650,000	118,200
Sub-Total	$ 54,766,000	$ 70,115,600	$47,890,000	$10,200,000	$ 58,090,000	$12,025,600
B) Civil & Station Consultants	$ 1,879,000	$ 2,405,600	$ 4,359,000	--	$ 4,359,000	<1,953,400>
Rail Procurement	4,030,000	5,159,500	4,028,000	1,972,000	6,000,000	<840,500>
Tie Procurement	1,010,000	1,293,100	1,771,000	--	1,771,000	<477,900>
Special Trackwork	1,010,000	1,293,100	1,494,000	--	1,494,000	<200,900>
Rail Welding	340,000	435,300	--	500,000	500,000	<64,700>
Grade Crossing Procurement	1,340,000	1,715,600	--	1,500,000	1,500,000	215,600
Traffic Signal Equipment	569,000	728,500	--	1,000,000	1,000,000	<271,500>
Signs & Graphics Procurement	166,000	212,500	--	300,000	300,000	<87,500>
Track Installation	6,674,000	8,544,600	--	11,000,000	11,000,000	<2,455,400>
Sub-Total	$ 17,018,000	$ 21,787,800	$11,652,000	$16,272,000	$ 27,924,000	<$ 6,136,200>
C) Support Services	$ 5,200,000	$ 6,657,400	$ 7,000,000	--	$ 7,000,000	<342,600>
Fare Collection Equipment	1,200,000	1,536,300	--	1,300,000	1,300,000	236,300
Contingency	1,262,000	1,615,700	1,800,000	--	1,800,000	<184,300>
Planning Studies	0	0	0	0	0	0

Sub-Total	$ 7,662,000	$ 9,809,400	$ 8,800,000	$ 1,300,000	$ 10,100,000	$ <290,600>
Sub-Total Systemwide Elements	$ 79,446,000	101,712,800	68,342,000	27,772,000	96,114,000	5,598,800
II. Individual Segments: (Utilities, Streets, Sub-Grade Stations, P & R lot)						
A) Line Section 1 (Gresham to 199th Street)	$ 2,017,000	2,582,300	--	4,200,000	4,200,000	<1,617,700>
Line Section 2 (199th Street to Gateway)	15,061,000	19,282,200	--	20,800,000	20,800,000	<1,517,800>
Line Section 3 (Gateway to Lloyd Center)	3,006,000	3,848,500	--	5,800,000	5,800,000	<1,951,500>
Line Section 4 (Lloyd Center to 11th Avenue Terminal)	7,859,000	10,061,752	--	16,100,000	16,100,000	<6,038,248>
Sub-Total Individual Segments	$ 27,943,000	35,774,752	--	46,900,000	46,900,000	<11,125,248>
TOTAL TRANSIT COST	$107,389,000	$137,487,561	$ 68,342,000	$74,672,000	$143,014,000	$<5,526,439>

III. Funding Authorization		
A) Interstate Transfer	$ 26,000,000	$ 82,453,893
B) Section 3	60,900,000	8,900,000 23,486,385
C) Local Match	20,500,000	22,647,283
TOTAL	$107,400,000	$137,487,561

7-27-82
AC:lmk

BANFIELD LRT COST ESTIMATES
Including Contracts as of 7-15-82

	Base Estimates April, 1980	Local Authorization as of 12-31-81 (137.5/107.4 = 1.2803)	Contracts	Estimates	Total Cost	Excess <Shortfall>
I. Systemwide Elements:						
A) Vehicle & System Consultants	$ 2,831,000	$ 3,624,500	$ 3,150,000	--	$ 3,150,000	$ 474,500
Vehicles & Spare Parts	25,800,000	33,031,100	26,000,000	--	26,000,000	7,031,100
Maintenance Facility:	10,645,000	13,628,500	--	--	12,812,000	816,500
Shops $7,000,000		8,961,900	7,862,000	--	7,862,000	
Yards $1,845,000		2,362,100	--	$ 3,600,000	3,600,000	
Tools & Equip. $1,800,000		2,304,500	--	1,350,000	1,350,000	
Wayside Lifts	700,000	896,200	900,000	--	900,000	<3,800>
Electrification	11,740,000	15,030,400	9,978,000	--	9,978,000	5,052,400
Signals System	1,800,000	2,304,500	--	3,800,000	3,800,000	<1,495,500>
Communications	650,000	832,200	--	800,000	800,000	32,200
Maintenance & Service Equipment (includes work vehicles)	600,000	768,200	--	650,000	650,000	118,200
Sub-Total	$ 54,766,000	$ 70,115,600	$47,890,000	$10,200,000	$ 58,090,000	$12,025,600
B) Civil & Station Consultants	$ 1,879,000	$ 2,405,600	$ 4,359,000	--	$ 4,359,000	<1,953,400>
Rail Procurement	4,030,000	5,159,500	4,028,000	1,972,000	6,000,000	<840,500>
Tie Procurement	1,010,000	1,293,100	1,771,000	--	1,771,000	<477,900>
Special Trackwork	1,010,000	1,293,100	1,494,000	--	1,494,000	<200,900>
Rail Welding	340,000	435,300	--	500,000	500,000	64,700
Grade Crossing Procurement	1,340,000	1,715,600	--	1,500,000	1,500,000	<215,600>
Traffic Signal Equipment	569,000	728,500	--	1,000,000	1,000,000	<271,500>
Signs & Graphics Procurement	166,000	212,500	--	300,000	300,000	<87,500>
Track Installation	6,674,000	8,544,600	--	11,000,000	11,000,000	<2,455,400>
Sub-Total	$ 17,018,000	$ 21,787,700	$11,652,000	$16,272,000	$ 27,924,000	<$ 6,136,300>
C) Support Services	$ 5,200,000	$ 6,657,400	$ 7,000,000	--	$ 7,000,000	<342,600>
Fare Collection Equipment	1,200,000	1,536,300	--	1,300,000	1,300,000	236,300
Contingency	1,262,000	1,615,700	1,800,000	--	1,800,000	<184,300>
Planning Studies	0	0	0	0	0	0
Sub-Total	$ 7,662,000	$ 9,809,500	$ 8,800,000	$ 1,300,000	$ 10,100,000	$ <290,500>
Sub-Total Systemwide Elements	$ 79,446,000	101,712,800	68,342,000	27,772,000	96,114,000	5,598,800
II. Individual Segments: (Utilities, Streets, Sub-Grade Stations, P & R lot)						
A) Line Section 1 (Gresham to 199th Street)	$ 2,017,000	2,582,300	--	4,200,000	4,200,000	<1,617,700>
Line Section 2 (199th Street to Gateway)	15,061,000	19,282,200	--	20,800,000	20,800,000	<1,517,800>
Line Section 3 (Gateway to Lloyd Center)	3,006,000	3,848,500	--	5,800,000	5,800,000	<1,951,500>
Line Section 4 (Lloyd Center to 11th Avenue Terminal)	7,859,000	10,061,700	--	16,100,000	16,100,000	<6,038,300>
Sub-Total Individual Segments	$ 27,943,000	35,774,752	--	46,900,000	46,900,000	<11,125,248>
TOTAL TRANSIT COST	$107,389,000	$137,487,561	$ 68,342,000	$74,672,000	$143,014,000	$<5,526,439>
III. Funding Authorization						
A) Interstate Transfer	$ 26,000,000	$ 82,453,893				
B) Section 3	60,900,000	8,900,000 23,486,385				
C) Local Match	20,500,000	22,647,283				
TOTAL	$107,400,000	$137,487,561				