

Appendix C
Cost Estimates



PROJECT DESCRIPTION: **Lankershim Boulevard-San Fernando Road Corridor**

Limits: Lankershim Boulevard at Hollywood Freeway north to San Fernando Road, San Fernando Road north to Hubbard Street

Proposed Improvement:

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$4,143,800
ALTERNATIVE COST: ADDITIONAL 5' ROADWAY WIDENING	\$1,091,618
TOTAL STRUCTURE ITEMS: RED LINE PORTAL	\$11,500,000
STATION ELEMENTS	\$1,940,000
URBAN DESIGN ENHANCEMENTS TOTAL	\$5,010,000
SUBTOTAL BASE CONSTRUCTION COSTS	\$6,083,800
SUBTOTAL ENHANCED CONSTRUCTION COSTS	\$17,601,618
RIGHT OF WAY	\$0
EQUIPMENT: CORRIDOR BUSES	\$9,100,000
EQUIPMENT: FEEDER BUSES	\$31,200,000
MAINTENANCE FACILITY CONTRIBUTION	\$27,500,000
TOTAL PROJECT BASE CAPITAL OUTLAY COSTS	\$73,883,800
TOTAL PROJECT COSTS (BASE + ENHANCED)	\$91,485,418

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	Length	Width	Quantity	Unit	Unit Price	Item Cost	Section Cost
Road Excavation	0	0	0	cy	\$35	\$0	
Imported Borrow	0	0	0	cy	\$30	\$0	
Clearing, Grubbing & Demolition	0	0	0	sf	\$2.00	\$0	
Remove AC			0	cf	\$64	\$0	
Develop Water Supply (Per m3 earthwork)			0	cf	\$0	\$0	
						Subtotal 1 Earthwork	\$0
<u>Section 1 Earthwork, 5' Additional Widening at south end</u>	Length	Width	Quantity	Unit	Unit Price	Item Cost	Section Cost
Road Excavation	4,500	5	1,250	cy	\$35	\$43,750	
Imported Borrow	0	0	0	cy	\$30	\$0	
Clearing, Grubbing & Demolition	4,500	5	22,500	sf	\$2.00	\$45,000	
Remove AC			0	cf	\$64	\$0	
Develop Water Supply (Per m3 earthwork)			0	cf	\$0	\$0	
						Subtotal 1 Earthwork	\$88,750
<u>Section 2 Pavement Structural Section*</u>			Quantity	Unit	Unit Price	Item Cost	Section Cost
Asphalt Concrete, 0.5 feet thick	0	0	0	ton	\$150	\$0	
Aggregate Base, 1 foot thick	0	0	0	cy	\$50	\$0	
PCC Curb & Gutter	0		0	lf	\$30	\$0	
Minor Concrete Sidewalk	0	0	0	cf	\$5	\$0	
						Subtotal 2 Pavement Items	\$0
<u>Section 2 Pavement Structural Section* 5' Additional Widening at south end</u>			Quantity	Unit	Unit Price	Item Cost	Section Cost
Asphalt Concrete, 0.5 feet thick	4,500	5	810	ton	\$150	\$121,500	
Aggregate Base, 1 foot thick	4,500	5	833	cy	\$50	\$41,650	
PCC Curb & Gutter	4,500		4,500	lf	\$30	\$135,000	
Minor Concrete Sidewalk	4,500	8	18,000	cf	\$5	\$90,000	
						Subtotal 2 Pavement Items	\$388,150
<u>Section 3 Drainage</u>			Quantity	Unit	Unit Price	Item Cost	Section Cost
Large Drainage Facilities			0	ea	\$0	\$0	
Storm Drains			0	ea	\$0	\$0	
Storm Water Pollution Prevention Plan			1	ea	\$10,000	\$10,000	
Project Drainage			0	ea	\$0	\$0	
						Subtotal 3 Drainage	\$10,000

Section 3 Drainage 5' Additional Widening at south end

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Large Drainage Facilities	0	ea	\$0	\$0	
Storm Drains	0	ea	\$0	\$0	
Storm Water Pollution Prevention Plan	0	ea	\$7,500	\$7,500	
Project Drainage	0	ea	\$200,000	\$200,000	
			Subtotal 3 Drainage		\$207,500

Section 4 Specialty Items

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	0	ls	\$0	\$0	
Noise Barriers	0	ls	\$0	\$0	
Barriers and Guardrails	0	ls	\$0	\$0	
Replacement Planting	0	ls	\$0	\$0	
Irrigation Modification	0	ls	\$10,000	\$10,000	
Relocate Utilities	30	ls	\$50,000	\$1,500,000	
Erosion Control	0	ls	\$0	\$0	
Slope Protection	0	ls	\$0	\$0	
Water Pollution Control	0	ls	\$40,000	\$40,000	
Hazardous Waste Mitigation Work	0	ls	\$0	\$0	
Environmental Mitigation	0	ls	\$0	\$0	
Resident Engineer Office Space	0	months	\$1,000	\$1,000	
			Subtotal 4 Specialty Items		\$1,551,000

Section 5 Traffic Items

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Lighting	0	ls	\$0	\$0	
Traffic Delineation Striping	34500	2	69,000	lf	\$4.00 \$276,000
Remove Striping	34500	2	69,000	lf	\$4.00 \$276,000
Traffic Delineation Markings	30	crossing	\$2,500	\$75,000	
Traffic Signals, Modification	0	ls	\$15,000	\$15,000	
Overhead Sign Structures	0	ea	\$20,000	\$20,000	
Roadside Signs	50	ea	\$500	\$25,000	
Traffic Control Systems	20	ea	\$15,000	\$300,000	
Transportation Management Plan	1	ea	\$50,000	\$50,000	
			Subtotal 5 Traffic Items		\$1,037,000

TOTAL SECTIONS 1 thru 5	\$2,598,000
TOTAL SECTIONS 1 thru 5	\$684,400

Additional 5' Widening, Optional

Section 6 Minor Items

\$2,598,000 10% = \$259,800

(Subtotal Sections 1 thru 5)

Additional 5' Widening, Optional

\$684,400 10% = \$68,440

(Subtotal Sections 1 thru 5)

TOTAL MINOR ITEMS	\$259,800
TOTAL MINOR ITEMS	\$68,440

Additional 5' Widening, Optional

Section 7 Roadway Mobilization

\$2,857,800 10% = \$285,780

(Subtotal Sections 1 thru 6)

\$752,840 10% = \$75,284

(Subtotal Sections 1 thru 6)

TOTAL ROADWAY MOBILIZATION	\$285,780
TOTAL ROADWAY MOBILIZATION	\$75,284

Additional 5' Widening, Optional

Section 8 Roadway Additions

Supplemental Work

\$2,857,800 10% = \$285,780

(Subtotal Sections 1 thru 6)

Supplemental Work

\$752,840 10% = \$75,284

Additional 5' Widening, Optional

(Subtotal Sections 1 thru 6)

Contingencies

\$2,857,800 25% = \$714,450

(Subtotal Sections 1 thru 6)

Contingencies

\$752,840 25% = \$188,210

Additional 5' Widening, Optional

(Subtotal Sections 1 thru 6)

TOTAL ROADWAY ADDITIONS	\$1,000,230
TOTAL ROADWAY ADDITIONS	\$263,494

Additional 5' Widening, Optional

TOTAL ROADWAY ITEMS	\$4,143,810
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(Subtotal Sections 1 thru 8)

Additional 5' Widening, Optional

TOTAL ROADWAY ITEMS	\$1,091,618
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(Subtotal Sections 1 thru 8)

II. STRUCTURES ITEMS

Name	Structure New Portal at North Hollywood Redline Station	Structure (2)	Structure (3)
Bridge Name	\$11,500,000	\$0	\$0
Structure Type			
Total Cost for Structure			
SUBTOTAL STRUCTURES ITEMS			\$11,500,000
(Sum of Total Cost for Structures)			

Railroad Related Costs:

SUBTOTAL RAILROAD ITEMS	\$0
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TOTAL STRUCTURES ITEMS	\$11,500,000
(Sum of Structures Items plus Railroad Items)	

III. RIGHT OF WAY ITEMS

A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$0	\$0
B. Utility Relocation (State share)	\$0	\$0
C. Relocation Assistance	\$0	\$0
D. Clearance/Demolition	\$0	\$0
E. Title and Escrow Fees	\$0	\$0
TOTAL RIGHT OF WAY ITEMS		
\$0		
(Escalated Value)		

Anticipated Date of Right of Way Certification	0
(Date to which Values are Escalated)	

Estimate Prepared By Matt Tsugawa/Nancy Cooper

Phone: (909) 884-3222

Date: February 2003

Estimate Checked By Richard Hernandez

Phone: (909) 884-3222

Date: February 2003

PROJECT DESCRIPTION: Van Nuys Boulevard Corridor

Limits: Van Nuys Boulevard at Ventura Boulevard north to Foothill Boulevard, Foothill Boulevard north to Hubbard Street

Proposed Improvement:

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$4,911,800
ALTERNATIVE COST: INTERCHANGE CONTRIBUTION AT VENTURA FREEWAY	\$5,000,000
TOTAL STRUCTURE ITEMS CHANNEL BRIDGE WIDENING	\$500,000
STATION ELEMENTS	\$1,980,000
URBAN DESIGN ENHANCEMENTS	\$8,450,000
SUBTOTAL BASE CONSTRUCTION COSTS	\$7,391,800
SUBTOTAL ENHANCED CONSTRUCTION COSTS	\$13,450,000
RIGHT OF WAY	\$0
EQUIPMENT: CORRIDOR BUSES	\$23,400,000
EQUIPMENT: FEEDER BUSES	\$38,680,000
MAINTENANCE FACILITY CONTRIBUTION	\$38,750,000
TOTAL PROJECT BASE CAPITAL OUTLAY COSTS	\$108,221,800
TOTAL PROJECT COSTS (BASE + OPTIONAL/ALTERNATIVE)	\$121,671,800

I. ROADWAY ITEMS**Section 1 Earthwork**

	Length	Width	Quantity	Unit	Unit Price	Item Cost	Section Cost
Road Excavation	1,500	7	583	cy	\$35	\$20,405	
Road Excavation	550	15	4,583	cy	\$35	\$160,405	
Imported Borrow	550	15	4,583	cy	\$30	\$137,490	
Clearing, Grubbing & Demolition	2,600	7	18,200	sf	\$2.00	\$36,400	
Remove AC			0	cf	\$64	\$0	
Develop Water Supply (Per m3 earthwork)			0	cf	\$0	\$0	
Subtotal 1 Earthwork							\$354,700

Section 2 Pavement Structural Section*

	Length	Width	Quantity	Unit	Unit Price	Item Cost	Section Cost
Asphalt Concrete, 0.5 feet thick	1,500	5	270	ton	\$150	\$40,500	
Aggregate Base, 1 foot thick	1,500	7	389	cy	\$50	\$19,450	
PCC Curb & Gutter	2,050		4,100	lf	\$30	\$123,000	
Minor Concrete Sidewalk	550	10	2,750	cf	\$5	\$13,750	
Subtotal 2 Pavement Items							\$196,700

Section 3 Drainage

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Large Drainage Facilities	0	ea	\$0	\$0	
Storm Drains	0	ea	\$0	\$0	
Storm Water Pollution Prevention Plan	1	ea	\$20,000	\$20,000	
Project Drainage	0	ea	\$500,000	\$500,000	
Subtotal 3 Drainage					\$520,000

Section 4 Specialty Items

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	0	ls	\$0	\$0	
Noise Barriers	0	ls	\$0	\$0	
Barriers and Guardrails	0	ls	\$0	\$0	
Intersection Pop Outs	10	ea	\$35,000	\$350,000	
Highway Planting	0	ls	\$0	\$0	
Replacement Planting	0	ls	\$0	\$0	
Irrigation Modification	0	ls	\$10,000	\$10,000	
Relocate Utilities	3	ls	\$50,000	\$150,000	
Erosion Control	0	ls	\$0	\$0	
Slope Protection	0	ls	\$0	\$0	
Water Pollution Control	0	ls	\$40,000	\$40,000	
Hazardous Waste Mitigation Work	0	ls	\$0	\$0	
Environmental Mitigation	0	ls	\$0	\$0	
Resident Engineer Office Space	0	months	\$1,000	\$1,000	
Subtotal 4 Specialty Items					\$551,000

Section 5 Traffic Items

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Lighting	0	ls	\$0	\$0	
Traffic Delineation Striping	68,390	lf	\$4.00	\$273,560	
Remove Striping	68,390	lf	\$4.00	\$273,560	
Traffic Delineation Markings	50	crossing	\$2,500	\$125,000	
Traffic Signals, Modification	0	ls	\$15,000	\$15,000	
Intersection Modification	1	ea	\$250,000	\$250,000	
New Traffic Signal at Chandler	1	ea	\$125,000	\$125,000	
Overhead Sign Structures	0	ea	\$20,000	\$20,000	
Roadside Signs	50	ea	\$500	\$25,000	
Traffic Control Systems	20	ea	\$15,000	\$300,000	
Transportation Management Plan	1	ea	\$50,000	\$50,000	
			Subtotal 5 Traffic Items		\$1,457,120

TOTAL SECTIONS 1 thru 5	\$3,079,520
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Section 6 Minor Items

\$3,079,520 10% = \$307,952
 (Subtotal Sections 1 thru 5)

TOTAL MINOR ITEMS	\$307,952
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Section 7 Roadway Mobilization

\$3,387,472 10% = \$338,747
 (Subtotal Sections 1 thru 6)

TOTAL ROADWAY MOBILIZATION	\$338,747
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Section 8 Roadway Additions

Supplemental Work \$3,387,472 10% = \$338,747
 (Subtotal Sections 1 thru 6)

Contingencies \$3,387,472 25% = \$846,868
 (Subtotal Sections 1 thru 6)

TOTAL ROADWAY ADDITIONS	\$1,185,615
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TOTAL ROADWAY ITEMS	\$4,911,834
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(Subtotal Sections 1 thru 8)

Alternative Cost: Interchange Contribution at Ventura Freeway

TOTAL ALTERNATIVE COST	\$5,000,000
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II. STRUCTURES ITEMS

	Structure	Structure	Structure
Name	Channel	(2)	(3)
Bridge Name	\$500,000	\$0	\$0
Structure Type			
Total Cost for Structure			
SUBTOTAL STRUCTURES ITEMS			\$500,000
(Sum of Total Cost for Structures)			

Railroad Related Costs:

SUBTOTAL RAILROAD ITEMS	\$0
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TOTAL STRUCTURES ITEMS	\$500,000
(Sum of Structures Items plus Railroad Items)	

III. RIGHT OF WAY ITEMS

A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$0	\$0
B. Utility Relocation (State share)	\$0	\$0
C. Relocation Assistance	\$0	\$0
D. Clearance/Demolition	\$0	\$0
E. Title and Escrow Fees	\$0	\$0
TOTAL RIGHT OF WAY ITEMS		\$0
(Escalated Value)		
Anticipated Date of Right of Way Certification		0
(Date to which Values are Escalated)		

Estimate Prepared By Matt Tsugawa/Nancy Cooper

Phone: (909) 884-3222

Date: February 2003

Estimate Checked By Richard Hernandez

Phone: (909) 884-3222

Date: February 2003

PROJECT DESCRIPTION: **Sepulveda Boulevard Corridor**

Limits: Sepulveda Boulevard at Ventura Boulevard north to Brand Boulevard, Brand Boulevard north to San Fernando Road

Proposed Improvement:

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS		\$6,669,530
TOTAL STRUCTURE ITEMS	METROLINK WIDENING	\$250,000
STATION ELEMENTS		\$2,920,000
URBAN DESIGN ENHANCEMENTS		\$5,480,000
	SUBTOTAL BASE CONSTRUCTION COSTS	\$9,839,530
	SUBTOTAL ENHANCED CONSTRUCTION COSTS	\$5,480,000
RIGHT OF WAY		\$17,970,000
EQUIPMENT: CORRIDOR BUSES		\$27,950,000
EQUIPMENT: FEEDER BUSES		\$37,050,000
MAINTENANCE FACILITY CONTRIBUTION		\$39,250,000
	TOTAL PROJECT BASE CAPITAL OUTLAY COSTS	\$132,059,530
	TOTAL PROJECT COSTS (BASE + OPTIONAL/ALTERNATIVE)	\$137,539,530

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	Length	Width	Quantity	Unit	Unit Price	Item Cost	Section Cost
Road Excavation	1,715	15	1,429	cy	\$35	\$50,021	
Imported Borrow, 1000 x 60 x 30	0	0	0	cy	\$30	\$0	
Clearing, Grubbing & Demolition	1,715	15	25,725	sf	\$2.00	\$51,450	
Remove AC			210	cf	\$64	\$13,440	
Develop Water Supply (Per m3 earthwork)			0	cf	\$0	\$0	
						Subtotal 1 Earthwork	\$114,911
<u>Section 2 Pavement Structural Section</u>			Quantity	Unit	Unit Price	Item Cost	Section Cost
Asphalt Concrete, 0.5 feet thick	1,715	10	617	ton	\$150	\$92,610	
Aggregate Base, 1 foot thick	1,715	15	953	cy	\$50	\$47,639	
PCC Curb & Gutter			4,455	lf	\$25	\$111,375	
Minor Concrete Sidewalk	1,715	10	17,150	sf	\$5	\$85,750	
						Subtotal 2 Pavement Items	\$337,374
<u>Section 3 Drainage</u>			Quantity	Unit	Unit Price	Item Cost	Section Cost
Large Drainage Facilities			0	ea	\$0	\$0	
Storm Drains			0	ea	\$0	\$0	
Storm Water Pollution Prevention Plan			1	ea	\$20,000	\$20,000	
Project Drainage			0	ea	\$400,000	\$400,000	
						Subtotal 3 Drainage	\$420,000
<u>Section 4 Specialty Items</u>			Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls			0	ls	\$0	\$0	
Noise Barriers			0	ls	\$0	\$0	
Barriers and Guardrails			0	ls	\$0	\$0	
Highway Planting			1	ls	\$0	\$0	
Replacement Planting			0	ls	\$0	\$0	
Irrigation Modification			1	ls	\$10,000	\$10,000	
Relocate Utilities			20	ls	\$50,000	\$1,000,000	
Erosion Control			0	ls	\$0	\$0	
Slope Protection			0	ls	\$0	\$0	
Water Pollution Control			1	ls	\$40,000	\$40,000	
Hazardous Waste Mitigation Work			0	ls	\$0	\$0	
Environmental Mitigation			0	ls	\$0	\$0	
Resident Engineer Office Space			0	months	\$1,000	\$0	
						Subtotal 4 Specialty Items	\$1,050,000

Section 5 Traffic Items

			Quantity	Unit	Unit Price	Item Cost	Section Cost
Lighting			0	ls	\$0	\$0	
Traffic Delineation Striping	35,505	6	213,030	lf	\$4.00	\$852,120	
Remove Striping	35,505	6	213,030	lf	\$4.00	\$852,120	
Traffic Delineation Markings			70	crossing	\$2,500	\$175,000	
Traffic Signals, Modification			1	ls	\$15,000	\$15,000	
Overhead Sign Structures			0	ea	\$20,000	\$0	
Roadside Signs			50	ea	\$500	\$25,000	
Traffic Control Systems			20	ea	\$15,000	\$300,000	
Transportation Management Plan			1	ea	\$40,000	\$40,000	
						Subtotal 5 Traffic Items	\$2,259,240

TOTAL SECTIONS 1 thru 5	\$4,181,525
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Section 6 Minor Items

\$4,181,525	10%	=	\$418,152
TOTAL MINOR ITEMS			\$418,152

Section 7 Roadway Mobilization

\$4,599,677	10%	=	\$459,967
(Subtotal Sections 1 thru 6)			
TOTAL ROADWAY MOBILIZATION			\$459,967

Section 8 Roadway Additions

Supplemental Work	\$4,599,677	10%	=	\$459,967
(Subtotal Sections 1 thru 6)				
Contingencies	\$4,599,677	25%	=	\$1,149,919
(Subtotal Sections 1 thru 6)				
TOTAL ROADWAY ADDITIONS			\$1,609,886	
TOTAL ROADWAY ITEMS			\$6,669,530	
(Subtotal Sections 1 thru 8)				

II. STRUCTURES ITEMS

Name	Structure	Structure	Structure
Bridge Name	Metrolink widening	(2)	(2)
Structure Type	\$250,000	\$0	\$0
Total Cost for Structure	SUBTOTAL STRUCTURES ITEMS		\$250,000
	(Sum of Total Cost for Structures)		

Railroad Related Costs:

SUBTOTAL RAILROAD ITEMS	\$0
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TOTAL STRUCTURES ITEMS	\$250,000
(Sum of Structures Items plus Railroad Items)	

III. RIGHT OF WAY ITEMS

A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$0	\$0
B. Utility Relocation (State share)	\$0	\$0
C. Relocation Assistance	\$0	\$0
D. Clearance/Demolition	\$0	\$0
E. Title and Escrow Fees	\$0	\$0
	TOTAL RIGHT OF WAY ITEMS	
	\$0	
	(Escalated Value)	

Anticipated Date of Right of Way Certification	0
(Date to which Values are Escalated)	

Estimate Prepared By Matt Tsugawa/Nancy Cooper

Phone: (909) 884-3222

Date: February 2003

Estimate Checked By Richard Hernandez

Phone: (909) 884-3222

Date: February 2003

PROJECT DESCRIPTION: Reseda Boulevard Corridor

Limits: Reseda Boulevard at Ventura Boulevard north to Nordoff Street, Nordoff Street east to Woodley Avenue, Woodley Avenue north to Plummer Street, Plummer Street east to Sepulveda Boulevard, Sepulveda Boulevard north to Brand Boulevard, Brand Boulevard north to San Fernando Road, San Fernando Road to Hubbard Street

Proposed Improvement:

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$3,974,500
TOTAL STRUCTURE ITEMS:	\$0
STATION ELEMENTS	\$4,300,000
URBAN DESIGN ENHANCEMENTS	\$7,900,000
SUBTOTAL BASE CONSTRUCTION COSTS	\$8,274,500
SUBTOTAL ENHANCED CONSTRUCTION COSTS	\$7,900,000
TOTAL RIGHT OF WAY ITEMS	\$0
EQUIPMENT: CORRIDOR BUSES	\$18,850,000
EQUIPMENT: FEEDER BUSES	\$25,680,000
MAINTENANCE FACILITY CONTRIBUTION	\$27,000,000
TOTAL PROJECT BASE CAPITAL OUTLAY COSTS	\$79,804,500
TOTAL PROJECT COSTS (BASE + OPTIONAL/ALTERNATIVE)	\$87,704,500

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	Length	Width	Quantity	Unit	Unit Price	Item Cost	Section Cost
Road Excavation	0	0	23	cy	\$35	\$805	
Imported Borrow	0	0	0	cy	\$30	\$0	
Clearing, Grubbing & Demolition	0	0	1,215	sf	\$2.00	\$2,430	
Remove AC	0	0	210	cf	\$64	\$13,440	
Develop Water Supply (Per m3 earthwork)			0	cf	\$0	\$0	
							Subtotal 1 Earthwork
							\$16,675
<u>Section 2 Pavement Structural Section*</u>	Length	Width	Quantity	Unit	Unit Price	Item Cost	Section Cost
Asphalt Concrete, 0.5 feet thick	0	0	1	ton	\$150	\$150	
Aggregate Base, 1 foot thick	0	0	16	cy	\$50	\$800	
PCC Curb & Gutter	0	0	75	lf	\$30	\$2,250	
Minor Concrete Sidewalk	0	0	383	cf		\$0	
							Subtotal 2 Pavement Items
							\$3,200
<u>Section 3 Drainage</u>			Quantity	Unit	Unit Price	Item Cost	Section Cost
Large Drainage Facilities			0	ea	\$0	\$0	
Storm Drains			0	ea	\$0	\$0	
Storm Water Pollution Prevention Plan			1	ea	\$17,500	\$17,500	
Project Drainage			1	ea	\$125,000	\$125,000	
							Subtotal 3 Drainage
							\$142,500
<u>Section 4 Specialty Items</u>			Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls			0	ls	\$0	\$0	
Noise Barriers			0	ls	\$0	\$0	
Barriers and Guardrails			0	ls	\$0	\$0	
Intersection Pop-outs			9	ea	\$35,000	\$315,000	
Entry Upgrade at VA Hospital			0	ls	\$400,000	\$400,000	
Replacement Planting			0	ls	\$0	\$0	
Irrigation Modification			0	ls	\$13,500	\$13,500	
Relocate Utilities			9	ls	\$50,000	\$450,000	
Erosion Control			0	ls	\$0	\$0	
Slope Protection			0	ls	\$0	\$0	
Water Pollution Control			0	ls	\$52,500	\$52,500	
Hazardous Waste Mitigation Work			0	ls	\$0	\$0	
Environmental Mitigation			0	ls	\$0	\$0	
Resident Engineer Office Space			0	months	\$1,000	\$1,000	
							Subtotal 4 Specialty Items
							\$1,232,000

Section 5 Traffic Items

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Lighting	0	ls	\$0	\$0	
Traffic Delineation Striping	0	lf	\$4.00	\$0	
Removal Striping	0	lf	\$4.00	\$0	
Traffic Delineation Markings	130	crossing	\$2,500	\$325,000	
Traffic Signals, Modification	3	ls	\$15,000	\$45,000	
Traffic Signals, New	1	ls	\$125,000	\$125,000	
Overhead Sign Structures	0	ea	\$20,000	\$20,000	
Roadside Signs	65	ea	\$500	\$32,500	
Traffic Control Systems	27	ea	\$15,000	\$405,000	
Queue-Jump at Sherman Intersection	0	ls	\$100,000	\$100,000	
Transportation Management Plan	1	ea	\$45,000	\$45,000	
			Subtotal 5 Traffic Items		\$1,097,500

TOTAL SECTIONS 1 thru 5	\$2,491,875
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Section 6 Minor Items

\$2,491,875 10% = \$249,187
 (Subtotal Sections 1 thru 5)

TOTAL MINOR ITEMS	\$249,187
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Section 7 Roadway Mobilization

\$2,741,062 10% = \$274,106
 (Subtotal Sections 1 thru 6)

TOTAL ROADWAY MOBILIZATION	\$274,106
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Section 8 Roadway Additions

Supplemental Work \$2,741,062 10% = \$274,106
 (Subtotal Sections 1 thru 6)

Contingencies \$2,741,062 25% = \$685,265
 (Subtotal Sections 1 thru 6)

TOTAL ROADWAY ADDITIONS	\$959,371
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TOTAL ROADWAY ITEMS	\$3,974,539
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(Subtotal Sections 1 thru 8)

II. STRUCTURES ITEMS

Name	Structure (1)	Structure (2)	Structure (3)
Bridge Name	0\$	\$0	\$0
Structure Type			
Total Cost for Structure			
SUBTOTAL STRUCTURES ITEMS			\$0
(Sum of Total Cost for Structures)			

Railroad Related Costs:

SUBTOTAL RAILROAD ITEMS	\$0
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TOTAL STRUCTURES ITEMS	\$0
(Sum of Structures Items plus Railroad Items)	

III. RIGHT OF WAY ITEMS

A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$0	\$0
B. Utility Relocation (State share)	\$0	\$0
C. Relocation Assistance	\$0	\$0
D. Clearance/Demolition	\$0	\$0
E. Title and Escrow Fees	\$0	\$0
TOTAL RIGHT OF WAY ITEMS		\$0
(Escalated Value)		
Anticipated Date of Right of Way Certification		0
(Date to which Values are Escalated)		

Estimate Prepared By Matt Tsugawa/Nancy Cooper

Phone: (909) 884-3222

Date: February 2003

Estimate Checked By Richard Hernandez

Phone: (909) 884-3222

Date: February 2003

PROJECT DESCRIPTION: **Canoga Avenue Corridor**

Limits: Canoga Avenue at Oxnard Street to Variel Avenue north to Lassen Street

Proposed Improvement:

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS		\$24,086,500
TOTAL STRUCTURE ITEMS	CHANNEL BRIDGE WIDENING RAILROAD IMPROVEMENTS	\$1,050,000
ALTERNATIVE/OPTIONAL COSTS		\$19,750,000
	GRADE SEPARATION PARKING FACILITIES AT WARNER CENTER PARKING FACILITIES NEAR SHERMAN	
STATION ELEMENTS		\$10,740,000
URBAN DESIGN ENHANCEMENTS		\$580,000
	SUBTOTAL BASE CONSTRUCTION COSTS	\$35,876,500
	SUBTOTAL ALTERNATIVE CONSTRUCTION COSTS	\$20,330,000
RIGHT OF WAY		\$7,000,000
RIGHT OF WAY ENHANCED COSTS		\$6,070,000
EQUIPMENT: CORRIDOR BUSES		\$6,500,000
EQUIPMENT: FEEDER BUSES		\$23,080,000
MAINTENANCE FACILITY CONTRIBUTION		\$20,250,000
	TOTAL PROJECT BASE CAPITAL OUTLAY COSTS	\$92,706,500
	TOTAL PROJECT COSTS (BASE + OPTIONAL/ALTERNATIVE)	\$119,106,500

I. ROADWAY ITEMS**Section 1 Earthwork**

	Length	Width	Quantity	Unit	Unit Price	Item Cost	Section Cost
Road Excavation	23,000	30	38,333	cy	\$35	\$1,341,655	
Imported Borrow, 1000 x 60 x 30	1000	60	66,667	cy	\$30	\$2,000,010	
Clearing, Grubbing & Demolition	32,020	30	960,600	sf	\$2.00	\$1,921,200	
Remove AC			0	cf	\$64	\$0	
Develop Water Supply (Per m3 earthwork)			0	cf	\$0	\$0	
						Subtotal 1 Earthwork	\$5,262,865

Section 2 Pavement Structural Section*

			Quantity	Unit	Unit Price	Item Cost	Section Cost
Asphalt Concrete, 0.5 feet thick	23,000	26	21,528	ton	\$150	\$3,229,200	
Aggregate Base, 1 foot thick	23,000	30	25,556	cy	\$50	\$1,277,800	
PCC Curb & Gutter	23,000		46,000	lf	\$30	\$1,380,000	
Minor Concrete Sidewalk			0	cf		\$0	
Bike Path, 0.25 feet thick	14,300	22	5,663	ton	\$150	\$849,420	
						Subtotal 2 Pavement Items	\$6,736,420

Section 3 Drainage

			Quantity	Unit	Unit Price	Item Cost	Section Cost
Large Drainage Facilities			0	ea	\$0	\$0	
Storm Drains			0	ea	\$0	\$0	
Storm Water Pollution Prevention Plan			1	ea	\$35,000	\$35,000	
Project Drainage			1	ea	\$500,000	\$500,000	
						Subtotal 3 Drainage	\$535,000

Section 4 Specialty Items

			Quantity	Unit	Unit Price	Item Cost	Section Cost
Noise Barriers			0	ls	\$0	\$0	
Barriers and Guardrails			0	ls	\$0	\$0	
Replacement Planting			0	ls	\$0	\$0	
Irrigation Modification			0	ls	\$10,000	\$10,000	
Relocate Utilities			30	ls	\$50,000	\$1,500,000	
Erosion Control			0	ls	\$200,000	\$200,000	
Slope Protection			0	ls	\$0	\$0	
Water Pollution Control			0	ls	\$40,000	\$40,000	
Hazardous Waste Mitigation Work			0	ls	\$0	\$0	
Environmental Mitigation			0	ls	\$0	\$0	
Resident Engineer Office Space			0	months	\$1,000	\$1,000	
						Subtotal 4 Specialty Items	\$1,751,000

Section 5 Traffic Items

	Quantity	Unit	Unit Price	Item Cost	Section Cost
Lighting	1	ls	\$0	\$0	
Traffic Delineation Striping	69,000	lf	\$4.00	\$276,000	
Traffic Delineation Markings	30	crossing	\$2,500	\$75,000	
Traffic Signals, Modification	6	ls	\$15,000	\$90,000	
Overhead Sign Structures	0	ea	\$20,000	\$20,000	
Roadside Signs	50	ea	\$500	\$25,000	
Traffic Control Systems	20	ea	\$15,000	\$300,000	
Transportation Management Plan	1	ea	\$30,000	\$30,000	
			Subtotal 5 Traffic Items		\$816,000

TOTAL SECTIONS 1 thru 5	\$15,101,285
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Section 6 Minor Items

\$15,101,285 10% = \$1,510,128
 (Subtotal Sections 1 thru 5)

TOTAL MINOR ITEMS	\$1,510,128
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Section 7 Roadway Mobilization

\$16,611,413 10% = \$1,661,141
 (Subtotal Sections 1 thru 6)

TOTAL ROADWAY MOBILIZATION	\$1,661,141
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Section 8 Roadway Additions

Supplemental Work \$16,611,413 10% = \$1,661,141
 (Subtotal Sections 1 thru 6)

Contingencies \$16,611,413 25% = \$4,152,853
 (Subtotal Sections 1 thru 6)

TOTAL ROADWAY ADDITIONS	\$5,813,994
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TOTAL ROADWAY ITEMS	\$24,086,548
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(Subtotal Sections 1 thru 8)

II. STRUCTURES ITEMS

Name	Structure (1)	Structure Channel widening	Optional Structure Grade Separation	Optional Structure 500-car Parking at Warner Center
Bridge Name	\$0	\$750,000	\$10,000,000	\$7,500,000
Structure Type				
Total Cost for Structure				
SUBTOTAL STRUCTURES ITEMS				\$750,000

(Sum of Total Cost for Structures, not including Optional Structures)

Railroad Related Costs:

SUBTOTAL RAILROAD ITEMS	\$300,000
TOTAL STRUCTURES ITEMS	\$1,050,000

(Sum of Structures Items plus Railroad Items)

Optional Item Costs

Grade Separation	1	\$10,000,000
500-car Parking Lot at Warner Center	2	\$7,500,000
Parking Lot near Sherman	3	\$2,250,000
TOTAL OPTIONAL ITEMS		\$19,750,000

III. RIGHT OF WAY ITEMS

A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$0	\$0
B. Utility Relocation (State share)	\$0	\$0
C. Relocation Assistance	\$0	\$0
D. Clearance/Demolition	\$0	\$0
E. Title and Escrow Fees	\$0	\$0

TOTAL RIGHT OF WAY ITEMS	\$0
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(Escalated Value)

Anticipated Date of Right of Way Certification	0
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(Date to which Values are Escalated)

Estimate Prepared By Matt Tsugawa/Nancy Cooper

Phone: (909) 884-3222

Date: February 2003

HKA

Alignment 1

02-1021

Estimate Checked By Richard Hernandez

Phone: (909) 884-3222

Date: February 2003