TABLE	5					
inalist S	system Build Alternatives - 203, 402 Section 1					
Compar	ative Level Cost Estimate Summary					
ITEM	ITEM DESCRIPTION	UNIT QU		QUANTITY	UNIT PRICE	TOTAL
1	PAVEMENT REMOVAL	yd ²		415,296	\$15	\$6,229,438
2	NEW PAVEMENT					
	Freeway/Ramps	yd ²		346,638	\$110	\$38,130,156
	Arterials / Local Roads	yd²		191,962	\$65	\$12,477,501
		1		PAV	EMENT COSTS	\$56,837,095
3	EARTHWORK	L.S.	35	% of Items 1-2	N/A	\$19,892,983
4	DRAINAGE	L.S.		N/A	N/A	\$10,000,000
5	EROSION CONTROL	L.S.	3	% of Items 1-3	N/A	\$2,301,902
_	TRAFFIC CONTROL DURING					
6	CONSTRUCTION	L.S.	7	% of Items 1-2	N/A	\$3,978,597
	LIGHTING	L.S.	5	% of Items 1-2	N/A	\$2,841,855
8	SIGNING/MARKINGS	L.S.	6	% of Items 1-2	N/A	\$3,410,226
9	UTILITIES	L.S.	7	% of Items 1-3	N/A	\$5,371,105
10	SIGNALIZED INTERSECTIONS	each	13		\$200,000	\$2,600,000
11	PUMPING STATIONS	each	0		\$5,000,000	\$0
12	ROADWAY INCIDENTALS	L.S.	20	% of Items 1-3	N/A	\$15,346,016
	SPECIAL WASTE SITE					
13	REMEDIATION	L.S.	T 4 Y	N/A	N/A	\$1,040,000
	GMD V GMV VD VG	ТО	TAL	ROADWAY CO	STS (Items 1-13)	\$123,619,779
	STRUCTURES				_	
14	Bridge Removal	ft^2		165,016	\$35	\$5,775,560
15	Proposed Bridges					
	2 nd level	ft ²		258,086	\$160	\$41,293,760
	3 rd level	ft^2		0	\$230	\$0
	4 th level	ft^2		0	\$280	\$0
16	Railroad Bridges	ft^2		0	\$550	\$0
17	Tunnels	ft^2		0	\$875	\$0
18	Retaining Walls	lin. ft.		2,914	\$1,000	\$2,914,000
19	Structural Incidentals (Includes Mob.)	L.S.	15	% of 14-18	N/A	\$7,497,498
		TOTA		RUCTURE COS	TS (Items 14-10)	\$57,480,818

L.S.

L.S.

L.S.

L.S.

L.S.

N/A

TOTAL CONSTRUCTION COSTS (Items 1-20)

25 % of items 1-20

20 % of items 1-20

N/A

50 % of Item 23

TOTAL INFRASTRUCTURE COSTS (Items 1-22)

N/A

N/A

N/A

N/A

TOTAL ROW COSTS

\$0

\$181,100,597

\$45,275,149

\$36,220,119 \$263,000,000

\$14,106,204

\$7,053,102

\$21,159,306

\$284,000,000

20

22

23

24

TOTAL PROJECT COST^{1,2}

RAILROAD RELOCATION AND

CONSTRUCTION CONTINGENCY

DESIGN AND CONSTRUCTION

COORDINATION

ENGINEERING

ROW ACQUISITION

ROW CONTINGENCY

Note: 1. Cost in 2009 dollars
2. Transit, Bike/Pedestrian and other transportation facitlities cost are not included in this estimate

TABLE 6Finalist System Build Alternatives - 203, 402 Section 2

Comparative.	Level Cos	t Estimate	Summary
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ITEM	ITEM DESCRIPTION	UNIT		QUANTITY	UNIT PRICE	TOTAL
1	PAVEMENT REMOVAL	yd^2		454,305	\$15	\$6,814,577
2	NEW PAVEMENT					
	Freeway/Ramps	yd^2		553,416	\$110	\$60,875,736
	Arterials / Local Roads	yd ²		282,347	\$65	\$18,352,548
				· · · · · · · · · · · · · · · · · · ·	MENT COSTS	\$86,042,860
3	EARTHWORK	L.S.	50	% of Items 1-2	N/A	\$43,021,430
4	DRAINAGE	L.S.		N/A	N/A	\$20,000,000
5	EROSION CONTROL	L.S.	3	% of Items 1-3	N/A	\$3,871,929
6	CONSTRUCTION	L.S.	8	% of Items 1-2	N/A	\$6,883,429
7	LIGHTING	L.S.	5	% of Items 1-2	N/A	\$4,302,143
8	SIGNING/MARKINGS	L.S.	6	% of Items 1-2	N/A	\$5,162,572
9	UTILITIES	L.S.	9	% of Items 1-3	N/A	\$11,615,786
10	SIGNALIZED INTERSECTIONS	each	9		\$200,000	\$1,800,000
11	PUMPING STATIONS	each	0		\$5,000,000	\$0
12	ROADWAY INCIDENTALS	L.S.	20	% of Items 1-3	N/A	\$25,812,858
13	REMEDIATION	L.S.		N/A	N/A	\$400,000
		TO	ΓAL	ROADWAY COS	ΓS (Items 1-13)	\$208,913,007
	STRUCTURES					
14 15	Bridge Removal Proposed Bridges	ft ²		82,052	\$35	\$2,871,820
13	2 ^{na} level	ft²		587,144	\$160	\$93,943,040
	3 rd level	ft ²		271,675	\$230	\$62,485,250
	4 th level	ft ²		110,825	\$280	\$31,031,000
16	Railroad Bridges	ft ²		0	\$550	\$0
17	Tunnels	ft^2		0	\$875	\$0
18	Retaining Walls	lin. ft.		24,077	\$1,000	\$24,077,000
19	Mob.)	L.S.	15	% of 14-18	N/A	\$32,161,217
		ТОТА	L ST	RUCTURE COST	S (Items 14-19)	\$246,569,327
	RAILROAD RELOCATION AND					,
20	COORDINATION	L.S.		N/A	N/A	\$0
	7	TOTAL C	ONS	TRUCTION COS	ΓS (Items 1-20)	\$455,482,333
21	CONSTRUCTION CONTINGENCY	L.S.	25	% of items 1-20	N/A	\$113,870,583
	DESIGN AND CONSTRUCTION					
22	ENGINEERING	L.S.	20	% of items 1-20	N/A	\$91,096,467
	TO	TAL INF	RAS'	FRUCTURE COS	TS (Items 1-22)	\$660,000,000
23	ROW ACQUISITION	L.S.		N/A	N/A	\$23,605,042
24	ROW CONTINGENCY	L.S.	50	% of Item 23		\$11,802,521
			1		ROW COSTS	\$35,407,563
	TOTAL PROJECT COST					000,000

TABLE 7Finalist System Build Alternatives - 203 Section 3
Comparative Level Cost Estimate Summary

ITEM	ITEM DESCRIPTION	UNIT		QUANTITY	UNIT PRICE	TOTAL
1	PAVEMENT REMOVAL	yd ²	263,787		\$15	\$3,956,810
2	NEW PAVEMENT		_			
	Freeway/Ramps	yd ²		493,668	\$110	\$54,303,480
	Arterials / Local Roads	yd ²		343,308	\$65	\$22,315,027
				PAV	EMENT COSTS	\$80,575,317
3	EARTHWORK	L.S.	50	% of Items 1-2	N/A	\$40,287,659
4	DRAINAGE	L.S.		N/A	N/A	\$18,000,000
5	EROSION CONTROL	L.S.	3	% of Items 1-3	N/A	\$3,625,889
6	TRAFFIC CONTROL DURING CONSTRUCTION	L.S.	7	% of Items 1-2	N/A	\$5,640,272
7	LIGHTING	L.S.	5	% of Items 1-2	N/A	\$4,028,766
8	SIGNING/MARKINGS	L.S.	6	% of Items 1-2	N/A	\$4,834,519
9	UTILITIES	L.S.	9	% of Items 1-3	N/A	\$10,877,668
10	SIGNALIZED INTERSECTIONS	each	11		\$200,000	\$2,200,000
11	PUMPING STATIONS	each	1		\$5,000,000	\$5,000,000
12	ROADWAY INCIDENTALS	L.S.	20	% of Items 1-3	N/A	\$24,172,595
13	SPECIAL WASTE SITE REMEDIATION	L.S.		N/A	N/A	\$2,490,000
		· ·	OTAI	L ROADWAY CO		\$201,732,685
	STRUCTURES	1	TAL	ROADWATCO	315 (Items 1-13)	Ψ201,732,003
14	Bridge Removal	ft ²		0	\$35	\$0
15	Proposed Bridges					
	2 nd level	ft^2		293,319	\$160	\$46,931,040
	3 rd level	ft^2		249,372	\$230	\$57,355,560
	4 th level	ft ²		26,232	\$280	\$7,344,960
16	Railroad Bridges	ft ²		0	\$550	\$0
17	Tunnels Ramp - Cut and Cover	2.2				
	Ramp - Cut and Cover			22.016	¢075	\$20,02 <i>(</i> ,500
10	Dataining Wells	ft ²		23,916	\$875	\$20,926,500
18	Retaining Walls					\$0
	Standard Wall Type	lin. ft.		24,146	\$1,000	\$0 \$24,146,000
18 19		lin. ft.	1	24,146 % of 14-18	\$1,000 N/A	\$0 \$24,146,000 \$23,505,609
	Standard Wall Type Structural Incidentals (Includes Mob.)	lin. ft.	1	24,146	\$1,000 N/A	\$0 \$24,146,000
19	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND	lin. ft.	1	24,146 % of 14-18	\$1,000 N/A	\$0 \$24,146,000 \$23,505,609
	Standard Wall Type Structural Incidentals (Includes Mob.)	lin. ft.	1	24,146 % of 14-18	\$1,000 N/A	\$0 \$24,146,000 \$23,505,609
19	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND COORDINATION	lin. ft. L.S. TOT	1	24,146 % of 14-18 TRUCTURE COS	\$1,000 N/A	\$0 \$24,146,000 \$23,505,609 \$180,209,669
19	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND COORDINATION Single Lane Ramp	lin. ft. L.S. TOT	AL S	24,146 % of 14-18 TRUCTURE COS N/A	\$1,000 N/A TS (Items 14-19)	\$0 \$24,146,000 \$23,505,609 \$180,209,669 \$1,000,000
19	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND COORDINATION Single Lane Ramp	lin. ft. L.S. TOT	AL S	24,146 % of 14-18 TRUCTURE COS N/A N/A	\$1,000 N/A TS (Items 14-19)	\$0 \$24,146,000 \$23,505,609 \$180,209,669 \$1,000,000 \$1,100,000
20	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND COORDINATION Single Lane Ramp Two Lane Ramp CONSTRUCTION CONTINGENCY DESIGN AND CONSTRUCTION	lin. ft. L.S. TOT L.S. L.S. TOTAL L.S.	CON 25	24,146 % of 14-18 TRUCTURE COS N/A N/A STRUCTION CO % of items 1-20	\$1,000 N/A TS (Items 14-19) STS (Items 1-20) N/A	\$0 \$24,146,000 \$23,505,609 \$180,209,669 \$1,000,000 \$1,100,000 \$384,042,354 \$96,010,589
19	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND COORDINATION Single Lane Ramp Two Lane Ramp CONSTRUCTION CONTINGENCY DESIGN AND CONSTRUCTION ENGINEERING	lin. ft. L.S. TOT L.S. L.S. TOTAL L.S.	CON 25	24,146 % of 14-18 TRUCTURE COS N/A N/A STRUCTION CO % of items 1-20 % of items 1-20	\$1,000 N/A TS (Items 14-19) STS (Items 1-20) N/A N/A	\$0 \$24,146,000 \$23,505,609 \$180,209,669 \$1,000,000 \$1,100,000 \$384,042,354 \$96,010,589 \$76,808,471
20	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND COORDINATION Single Lane Ramp Two Lane Ramp CONSTRUCTION CONTINGENCY DESIGN AND CONSTRUCTION ENGINEERING	lin. ft. L.S. TOT L.S. L.S. TOTAL L.S.	CON 25	24,146 % of 14-18 TRUCTURE COS N/A N/A STRUCTION CO % of items 1-20	\$1,000 N/A TS (Items 14-19) STS (Items 1-20) N/A N/A	\$0 \$24,146,000 \$23,505,609 \$180,209,669 \$1,000,000 \$1,100,000 \$384,042,354 \$96,010,589
20	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND COORDINATION Single Lane Ramp Two Lane Ramp CONSTRUCTION CONTINGENCY DESIGN AND CONSTRUCTION ENGINEERING	lin. ft. L.S. TOT L.S. L.S. TOTAL L.S.	CON 25	24,146 % of 14-18 TRUCTURE COS N/A N/A STRUCTION CO % of items 1-20 % of items 1-20	\$1,000 N/A TS (Items 14-19) STS (Items 1-20) N/A N/A	\$0 \$24,146,000 \$23,505,609 \$180,209,669 \$1,000,000 \$1,100,000 \$384,042,354 \$96,010,589 \$76,808,471
19 20 21 22	Standard Wall Type Structural Incidentals (Includes Mob.) RAILROAD RELOCATION AND COORDINATION Single Lane Ramp Two Lane Ramp CONSTRUCTION CONTINGENCY DESIGN AND CONSTRUCTION ENGINEERING	lin. ft. L.S. TOT L.S. L.S. TOTAL L.S. L.S.	CON 25	24,146 % of 14-18 TRUCTURE COS N/A N/A STRUCTION CO % of items 1-20 % of items 1-20 STRUCTURE COS N/A % of Item 23	\$1,000 N/A TS (Items 14-19) STS (Items 1-20) N/A N/A STS (Items 1-22)	\$0 \$24,146,000 \$23,505,609 \$180,209,669 \$1,000,000 \$1,100,000 \$384,042,354 \$96,010,589 \$76,808,471 \$557,000,000

TABLE 8
Finalist System Build Alternatives - 203, 402 Section 4

ITEM	ITEM DESCRIPTION	UNIT		QUANTITY	UNIT PRICE	TOTAL
1	PAVEMENT REMOVAL	yd^2		21,495	\$15	\$322,420
2	NEW PAVEMENT					
	Freeway/Ramps	yd ²		108,865	\$110	\$11,975,126
	Arterials / Local Roads	yd ²		21,854	\$65	\$1,420,517
	Thomas, Boom Roads	ya			MENT COSTS	\$13,718,063
2	EARTHWORK	L.S.	35	% of Items 1-2	N/A	\$4,801,322
3			33		†	
4	DRAINAGE	L.S.		N/A	N/A	\$4,000,000
5	EROSION CONTROL	L.S.	3	% of Items 1-3	N/A	\$555,582
6	TRAFFIC CONTROL DURING CONSTRUCTION	L.S.	_	% of Items 1-2	N/A	¢605 002
6			5			\$685,903
7	LIGHTING	L.S.	5	% of Items 1-2	N/A	\$685,903
8	SIGNING/MARKINGS	L.S.	6	% of Items 1-2	N/A	\$823,084
9	UTILITIES	L.S.	5	% of Items 1-3	N/A	\$925,969
10	SIGNALIZED INTERSECTIONS	each	2		\$200,000	\$400,000
11	PUMPING STATIONS	each	0		\$5,000,000	\$0
12	ROADWAY INCIDENTALS	L.S.	20	% of Items 1-3	N/A	\$3,703,877
12	SPECIAL WASTE SITE	L.S.	20	70 Of Reilis 1 3	14/1	ψ3,703,077
13	REMEDIATION	L.S.		N/A	N/A	\$520,000
		TOT	TAL :	ROADWAY COS	TS (Items 1-13)	\$30,819,703
	STRUCTURES					
14	Bridge Removal	ft ²		0	\$35	\$0
15	Proposed Bridges	6.2			44.50	
	2 nd level	ft ²		47,590	\$160	\$7,614,400
	3 rd level 4 th level	ft ²		0	\$230	\$0
		ft ²		0	\$280	\$0
16	Railroad Bridges	ft ²		36,173	\$1,400	\$50,642,200
17	Tunnels	ft ²		0	\$875	\$0
18	Retaining Walls		ļ			
	Standard Wall Type	lin. ft.		3,224	\$1,000	\$3,224,000
10		T 0	1.5	67 614 10	27/4	#0.222.000
19	Structural Incidentals (Includes Mob.)	L.S.	1	% of 14-18	N/A	\$9,222,090
	RAILROAD RELOCATION AND	TOTAL	L ST	RUCTURE COST	S (Items 14-19)	\$70,702,690
20	COORDINATION	L.S.			N/A	\$0
	1		ONS	TRUCTION COS	-	\$101,522,393
21	CONSTRUCTION CONTINGENCY	L.S.	25	% of items 1-20	N/A	\$25,380,598
	DESIGN AND CONSTRUCTION					. ,,
22	ENGINEERING	L.S.	20	% of items 1-20	N/A	\$20,304,479
	TO	TAL INFI	RAS	TRUCTURE COS	TS (Items 1-22)	\$147,000,000
23	ROW ACQUISITION	L.S.		N/A	N/A	\$45,197,933
24	ROW CONTINGENCY	L.S.	50	% of Item 23		\$22,598,967
				TOTAL	ROW COSTS	\$67,796,900
	TOTAL PROJECT COST				\$215,0	000,000

ГЕМ	ITEM DESCRIPTION	UNIT		QUANTITY	UNIT PRICE	TOTAL
1	PAVEMENT REMOVAL	yd ²		195,574	\$15	\$2,933,617
2	NEW PAVEMENT					
	Freeway/Ramps	yd ²	-	271,584	\$110	\$29,874,264
	Arterials / Local Roads	yd ²		225,259	\$65	\$14,641,857
			1		PAVEMENT COSTS	\$47,449,738
3	EARTHWORK	L.S.	45	% of Items 1-2	N/A	\$21,352,382
4	DRAINAGE	L.S.		N/A	N/A	\$15,000,000
5	EROSION CONTROL TRAFFIC CONTROL DURING	L.S.	3	% of Items 1-3	N/A	\$2,064,064
6	CONSTRUCTION	L.S.	7	% of Items 1-2	N/A	\$3,321,482
7	LIGHTING	L.S.	5	% of Items 1-2	N/A	\$2,372,487
8	SIGNING/MARKINGS	L.S.	6	% of Items 1-2	N/A	\$2,846,984
9	UTILITIES	L.S.	8	% of Items 1-3	N/A	\$5,504,170
10	SIGNALIZED INTERSECTIONS	each	10		\$200,000	\$2,000,000
11	PUMPING STATIONS	each	1		\$5,000,000	\$5,000,000
12	ROADWAY INCIDENTALS	L.S.	20	% of Items 1-3	\$3,000,000 N/A	\$13,760,424
1.2	SPECIAL WASTE SITE	L.S.	20	70 OI REIIIS 1-3	IN/A	φ13,/0U,424
13	REMEDIATION	L.S.		N/A	N/A	\$3,970,000
				TOTAL ROADW	AY COSTS (Items 1-13)	\$124,641,730
	STRUCTURES	2	-		_	
14	Bridge Removal	ft ²		16,505	\$35	\$577,675
15	Proposed Bridges				_	
	2 nd level	ft ²		514,250	\$160	\$82,280,000
	3 rd level	ft ²		420,715	\$230	\$96,764,450
	4 th level	ft ²		55,097	\$280	\$15,427,160
16	Railroad Bridges	ft^2				
	Metra/CP Girder Bridges (3 Dual Track Structures)	ft^2		34,764	\$1,400	\$48,669,600
	Metra/CP Girder Bridge (1	ft ²		7.040	61.635	¢10.752.000
17	Single Track Structure)			7,848	\$1,625	\$12,753,000
17	Tunnels	ft ²		0	\$875	\$0
18	Retaining Walls					
	Standard Wall Type	lin. ft.	-	26,487	\$1,000	\$26,487,000
19	Structural Incidentals (Includes Mob.)	L.S.	15	5 % of 14-18	N/A	\$42,443,833
				TOTAL STRUCTUR	RE COSTS (Items 14-19)	\$325,402,718
20	RAILROAD RELOCATION AND COORDINATION					
	Metra/CP Girder Bridges	L.S.		N/A	N/A	\$23,300,000
	C					
	CP Turntable Relocation	L.S.		N/A	N/A	\$1,600,000
			ТО	TAL CONSTRUCTION	ON COSTS (Items 1-20)	\$474,944,448
21	CONSTRUCTION CONTINGENCY	L.S.	25	% of items 1-20	N/A	\$118,736,112
20	DESIGN AND CONSTRUCTION		•	er e: 150	27/1	#0 1 000 °°°
22	ENGINEERING	L.S.	20	% of items 1-20	N/A	\$94,988,890
		7	ГОТА	L INFRASTRUCTU	RE COSTS (Items 1-22)	\$689,000,000
23	ROW ACQUISITION	L.S.		N/A	N/A	\$83,500,000
24	ROW CONTINGENCY	L.S.	50	% of Item 23		\$41,750,000
				<u> </u>	TOTAL BOW COOMS	
				1	TOTAL ROW COSTS \$814,0	\$125,250,000

TEM	ITEM DESCRIPTION	UNIT		QUANTITY	PRICE	TOTAL
1	PAVEMENT REMOVAL	yd ²		160,712	\$15	\$2,410,673
2	NEW PAVEMENT					
	Freeway/Ramps	yd ²		308,763	\$110	\$33,963,94
	Arterials / Local Roads	yd ²		144,057	\$65	\$9,363,719
				PAVEN	MENT COSTS	\$45,738,33
3	EARTHWORK	L.S.	50	% of Items 1-2	N/A	\$22,869,16
4	DRAINAGE	L.S.		N/A	N/A	\$13,000,00
5	EROSION CONTROL	L.S.	3	% of Items 1-3	N/A	\$2,058,225
6	CONSTRUCTION	L.S.	7	% of Items 1-2	N/A	\$3,201,683
7	LIGHTING	L.S.	5	% of Items 1-2	N/A	\$2,286,917
8	SIGNING/MARKINGS	L.S.	6	% of Items 1-2	N/A	\$2,744,300
9	UTILITIES	L.S.	10	% of Items 1-3	N/A	\$6,860,750
10	SIGNALIZED INTERSECTIONS	each	6		\$200,000	\$1,200,000
11	PUMPING STATIONS	each	1		\$5,000,000	\$5,000,000
12	ROADWAY INCIDENTALS	L.S.	20	% of Items 1-3	N/A	\$13,721,50
13	REMEDIATION	L.S.		N/A	N/A	\$4,430,000
		TC	TAL	ROADWAY COST	(S (Items 1-13)	\$123,110,87
	STRUCTURES					
14	Bridge Removal	ft ²		19,873	\$35	\$695,555
15	Proposed Bridges					
	2 nd level	ft ²		252,463	\$160	\$40,394,08
	3 rd level	ft ²		409,779	\$230	\$94,249,17
	4 th level	ft ²		38,271	\$280	\$10,715,88
16	Railroad Bridges					
	Metra/CP Girder Bridges (3					
	Dual Track Structures)	ft ²		34,764	\$1,400	\$48,669,60
	Metra/CP Girder Bridges (1					
	Single Track Structure)	ft ²		7,848	\$1,625	\$12,753,00
17	Tunnels	ft ²		0	\$875	\$0
18	Retaining Walls					
	Standard Wall Type	lin. ft.		31,945	\$1,000	\$31,945,00
19	Structural Incidentals (Includes Mob.)	L.S.	15	% of 14-18	N/A	\$35,913,34
		TOTA	AL ST	RUCTURE COSTS	S (Items 14-19)	\$275,335,62
20	COORDINATION					
	Metra/CP Girder Bridges	L.S.		N/A	N/A	\$23,300,00
	CP Spur Relocation	L.S.		N/A	N/A	\$700,000
	CP Turntable Relocation	L.S.		N/A	N/A	\$1,600,000
		TOTAL	CONS	TRUCTION COST	S (Items 1-20)	\$424,046,50
21	CONSTRUCTION CONTINGENCY DESIGN AND CONSTRUCTION	L.S.	25	% of items 1-20	N/A	\$106,011,62
22	ENGINEERING	L.S.	20	% of items 1-20	N/A	\$84,809,30
			FR A C'	TRUCTURE COST	S (Itams 1 22)	\$615,000,0
			ras.		1	
23	ROW ACQUISITION	L.S.		N/A	N/A	\$140,000,00
24	ROW CONTINGENCY	L.S.	50	% of Item 23		\$70,000,00
					ROW COSTS	\$210,000,00

PITO IN AT	ve Level Cost Estimate Summary	TIMITE		OLIA NITUTES	DDICE	TOTAL
TEM	ITEM DESCRIPTION	UNIT 12		QUANTITY	PRICE	TOTAL
1	PAVEMENT REMOVAL	yd ²		360,935	\$15	\$5,414,030
2	NEW PAVEMENT	-2				
	Freeway/Ramps	yd ²		419,758	\$110	\$46,173,417
	Arterials / Local Roads	yd ²		251,257	\$65	\$16,331,698
				PAVE	MENT COSTS	\$67,919,145
3	EARTHWORK	L.S.	50	% of Items 1-2	N/A	\$33,959,572
4	DRAINAGE	L.S.		N/A	N/A	\$18,000,000
5	EROSION CONTROL	L.S.	3	% of Items 1-3	N/A	\$3,056,362
6	TRAFFIC CONTROL DURING CONSTRUCTION	L.S.	6	% of Items 1-2	N/A	\$4,075,149
7	LIGHTING	L.S.	5	% of Items 1-2	N/A	\$3,395,957
8	SIGNING/MARKINGS	L.S.	6	% of Items 1-2	N/A	\$4,075,149
9	UTILITIES	L.S.	7	% of Items 1-3	N/A	\$7,131,510
10	SIGNALIZED INTERSECTIONS	each	9		\$200,000	\$1,800,000
11	PUMPING STATIONS	each	1		\$5,000,000	\$5,000,000
12	ROADWAY INCIDENTALS	L.S.	20	% of Items 1-3	N/A	\$20,375,743
	SPECIAL WASTE SITE		20			
13	REMEDIATION	L.S.	<u> </u>	N/A	N/A	\$5,510,000
	CERTIFICATION OF THE STATE OF T	TO	ΓAL]	ROADWAY COST	(Items 1-13)	\$174,298,586
	STRUCTURES					
14	Bridge Removal	ft ²		102,277	\$35	\$3,579,695
15	Proposed Bridges	11		102,211	-	Ψ5,517,075
-	2 nd level	ft ²		379,138	\$160	\$60,662,080
	3 rd level	ft ²		384,500	\$230	\$88,435,000
	4 th level	ft ²		64,128	\$280	\$17,955,840
16	Railroad Bridges					
	PCC Deck Bridge (Devon area underpass)	ft ²		104,100	\$700	\$72,870,000
	UP Spur Bridge	ft ²		6,953	\$1,620	\$11,263,860
17	Tunnels	ft ²		0	\$875	\$0
18	Retaining Walls			-	1	± *
	Standard Wall Type	lin. ft.		33,540	\$1,000	\$33,540,000
19	Structural Incidentals (Includes Mob.)	L.S.	15	5 % of 14-18	N/A	\$43,245,971
		TOTA	L STI	RUCTURE COSTS	S (Items 14-19)	\$331,552,446
20	RAILROAD RELOCATION AND COORDINATION					
	PCC Deck Bridge (Devon area underpass)	L.S.		N/A	N/A	\$6,400,000
	UP Spur Bridge	L.S.		N/A	N/A	\$1,300,000
		OTAL C	ONS	TRUCTION COST	(S (Items 1-20)	\$513,551,033
21	CONSTRUCTION CONTINGENCY	L.S.	25	% of items 1-20	N/A	\$128,387,758
22	DESIGN AND CONSTRUCTION ENGINEERING	L.S.	20	% of items 1-20	N/A	\$102,710,207
	то	TAL INF	RAST	TRUCTURE COST	TS (Items 1-22)	\$745,000,000
23	ROW ACQUISITION	L.S.		N/A	N/A	\$161,000,000
24	ROW CONTINGENCY	L.S.	50	% of Item 23		\$80,500,000
24	NOW COMPRISENCE	ட.ა.	50		ROW COSTS	\$241,500,000
	TOTAL PROJECT COST			TOTAL		\$986,000,000

TABLE 1						
	stem Build Alternatives - 402 Section 3					
ITEM	ive Level Cost Estimate Summary ITEM DESCRIPTION	UNIT		QUANTITY	PRICE	TOTAL
1	PAVEMENT REMOVAL	yd ²		263,787	\$15	\$3,956,810
2	NEW PAVEMENT	J		,		1 - 1
	Freeway/Ramps	yd ²		402,825	\$110	\$44,310,787
	Arterials / Local Roads	yd ²		356,455	\$65	\$23,169,582
		, ,		PAVEN	MENT COSTS	\$71,437,179
3	EARTHWORK	L.S.	45	% of Items 1-2	N/A	\$32,146,731
4	DRAINAGE	L.S.		N/A	N/A	\$17,000,000
5	EROSION CONTROL	L.S.	3	% of Items 1-3	N/A	\$3,107,517
6	CONSTRUCTION	L.S.	7	% of Items 1-2	N/A	\$5,000,603
7	LIGHTING	L.S.	5	% of Items 1-2	N/A	\$3,571,859
8	SIGNING/MARKINGS	L.S.	6	% of Items 1-2	N/A	\$4,286,231
9	UTILITIES	L.S.	9	% of Items 1-3	N/A	\$9,322,552
10	SIGNALIZED INTERSECTIONS	each	6		\$200,000	\$1,200,000
11	PUMPING STATIONS	each	0		\$5,000,000	\$0
12	ROADWAY INCIDENTALS	L.S.	20	% of Items 1-3	N/A	\$20,716,782
13	REMEDIATION	L.S.		N/A	N/A	\$2,105,000
		TOT	AL R	ROADWAY COST	S (Items 1-13)	\$169,894,453
	STRUCTURES					
14	Bridge Removal	ft ²		0	\$35	\$0
15	Proposed Bridges					
	2 nd level	ft^2		284,716	\$160	\$45,554,560
	3 rd level	ft ²		332,075	\$230	\$76,377,250
	4 th level	ft ²		0	\$280	\$0
16	Railroad Bridges	ft^2		0	\$550	\$0
17	Tunnels	ft^2		0	\$875	\$0
18	Retaining Walls	lin. ft.		11,741	\$1,000	\$11,741,000
	Structural Incidentals (Includes					
19	Mob.)	L.S.		% of 14-18	N/A	\$20,050,922
			STR	UCTURE COSTS	, <u>` </u>	\$153,723,732
20	COORDINATION	L.S.		N/A	N/A	\$0
				RUCTION COST		\$323,618,184
21	CONTINGENCY	L.S.	25		N/A	\$80,904,546
22	ENGINEERING	L.S.	20	% of items 1-20	N/A	\$64,723,637
			RAST	RUCTURE COST	, ,	\$469,000,000
23	ROW ACQUISITION	L.S.		N/A	N/A	\$41,577,816
24	ROW CONTINGENCY	L.S.	50	% of Item 23	DOW GOODS	\$20,788,908
	mom. v. no. 2 m. ca. 2 c			TOTAL	ROW COSTS	\$62,366,724
	TOTAL PROJECT COST				\$532	,000,000

NEW PAVEMENT Freeway/Ramps yd² 97,151 \$110 \$1 \$1 \$110 \$1 \$1 \$1	3,362,972
Freeway/Ramps	
Arterials / Local Roads yd² 306,535 \$65 \$1	
PAVEMENT COSTS S3	0,686,622
SEARTHWORK	9,924,789
A DRAINAGE	3,974,383
SEROSION CONTROL	1,891,034
TRAFFIC CONTROL DURING L.S. 6 % of Items 1-2 N/A Si	3,000,000
CONSTRUCTION	1,375,963
Total Roadway Costs (Items 1-13) Total Railroad Bridges Fi² O \$230 Fi² O \$280 Fi² O \$280 Fi² O \$875 Fi Total Structural Incidentals (Includes Bridges Mob.) L.S. 15 % of Items 1-2 N/A \$40 N/A N/A \$40 N/A \$40 N/A N/A \$40 N/A N/A \$40 N/A	2,038,463
SIGNING/MARKINGS	1,698,719
SIGNALIZED INTERSECTIONS each 7 \$200,000 \$1	
SIGNALIZED INTERSECTIONS each 7	2,038,463
PUMPING STATIONS	4,127,888
ROADWAY INCIDENTALS L.S. 20 % of Items 1-3 N/A \$90	1,400,000
SPECIAL WASTE SITE REMEDIATION L.S. N/A N/A S4	\$0
STRUCTURES	9,173,084
STRUCTURES	4,630,000
Bridge Removal ft² 41,557 \$35 \$15 Proposed Bridges 2nd level ft² 145,530 \$160 \$2 3rd level ft² 0 \$230 4th level ft² 0 \$280 16 Railroad Bridges ft² 0 \$550 17 Tunnels ft² 0 \$875 18 Retaining Walls lin. ft. 11,764 \$1,000 \$1 19 Mob.) L.S. 15 % of 14-18 N/A \$2 20 RAILROAD RELOCATION AND COORDINATION L.S. N/A N/A 20 CONSTRUCTION CONSTRUCTION COSTS (Items 1-20) \$12 CONSTRUCTION CONSTRUCTION CONTRUCTION COSTS (Items 1-20) \$12 CONSTRUCTION CONSTRUCTION CONSTRUCTION \$35 CONSTRUCTION CONSTRUCTION CONSTRUCTION \$35 CONSTRUCTION CONSTRU	0,347,996
15	
2nd level ft² 145,530 \$160 \$2 3rd level ft² 0 \$230 4th level ft² 0 \$280 16 Railroad Bridges ft² 0 \$550 17 Tunnels ft² 0 \$875 18 Retaining Walls lin. ft. 11,764 \$1,000 \$1 19 Mob.) L.S. 15 % of 14-18 N/A \$5 19 RAILROAD RELOCATION AND COORDINATION L.S. N/A N/A 10 CONSTRUCTION CONSTRUCTION COSTS (Items 1-20) \$12 11 CONSTRUCTION CONSTRUCTION \$12 12 CONSTRUCTION CONSTRUCTION \$13 13 CONSTRUCTION CONSTRUCTION \$14 14 L.S. N/A N/A N/A \$15 15 CONSTRUCTION \$15 16 Railroad Bridges ft² 0 \$230 \$15 17 TUNNELS TUNNELS TUNNELS \$14 18 RAILROAD RELOCATION AND L.S. N/A N/A \$15 19 RAILROAD RELOCATION L.S. N/A N/A \$15 10 CONSTRUCTION S12 11 CONSTRUCTION S13 12 CONSTRUCTION S14 13 CONSTRUCTION S15 14 CONSTRUCTION S16 15 CONSTRUCTION S17 16 CONSTRUCTION S18 17 CONSTRUCTION S18 18 Retaining Walls S18 S18 19 RAILROAD RELOCATION AND L.S. N/A N/A N/A 10 CONSTRUCTION S18 11 CONSTRUCTION S18 12 CONSTRUCTION S18 13 CONSTRUCTION S18 14 CONSTRUCTION S18 15 CONSTRUCTION S18 16 CONSTRUCTION S18 17 CONSTRUCTION S18 18 CONSTRUCTION S18 19 CONSTRUCTION S18 19 CONSTRUCTION S18 10 CONSTRUCTION S18 11 CONSTRUCTION S18 12 CONSTRUCTION S18 13 CONSTRUCTION S18 14 CONSTRUCTION S18 15 CONSTRUCTION S18 16 CONSTRUCTION S18 17 CONSTRUCTION S18 18 CONSTRU	1,454,495
3rd level	
4th level	3,284,800
Railroad Bridges ft2	\$0
Tunnels ft2 0 \$875	\$0
Retaining Walls lin. ft. 11,764 \$1,000 \$1	\$0
Structural Incidentals (Includes L.S. 15 % of 14-18 N/A \$5	\$0
Mob.) L.S. 15 % of 14-18 N/A \$5	1,764,000
TOTAL STRUCTURE COSTS (Items 14-19) \$4	5,475,494
RAILROAD RELOCATION AND COORDINATION L.S. N/A N/A TOTAL CONSTRUCTION COSTS (Items 1-20) \$12 CONSTRUCTION L.S. 25 % of items 1-20 N/A \$3 DESIGN AND CONSTRUCTION	
TOTAL CONSTRUCTION COSTS (Items 1-20) \$12 CONSTRUCTION CONTINGENCY L.S. 25 % of items 1-20 N/A \$3 DESIGN AND CONSTRUCTION	1,978,789
CONSTRUCTION CONTINGENCY L.S. 25 % of items 1-20 N/A \$3 DESIGN AND CONSTRUCTION	\$0
21 CONTINGENCY L.S. 25 % of items 1-20 N/A \$3 DESIGN AND CONSTRUCTION \$	22,326,786
	0,581,696
2.5. 20 % of tems 1 20 1 1/1	4,465,357
TOTAL INFRASTRUCTURE COSTS (Items 1-22) \$17	77,000,000
23 ROW ACQUISITION L.S. N/A N/A \$5	1,000,000
24 ROW CONTINGENCY L.S. 50 % of Item 23 \$2	5,500,000