

PLATINUM TRIANGLE EXPANSION
IMPLEMENTATION PLAN

New EIR - Expansion

BACKBONE INFRASTRUCTURE
COST SUMMARY

Project desig.	Street	Limits	Roadway	Sewer	Storm Drain	Electrical	Water	Other	Construction Total	R/W Total	TOTAL COST
1a	Katella	Anaheim to 700' e/o State College	\$9,539,432	\$2,055,480	\$112,000	\$2,964,000	\$0	\$0	\$14,670,912	\$7,809,469	\$22,480,381
1b	Katella	700' e/o State College to w/o SR 57	\$3,824,927	\$186,200	\$504,000	\$650,000	\$603,658	\$0	\$5,768,785	\$2,655,375	\$8,424,160
1c	Katella	e/o SR 57 to East City Limit	\$2,053,503	\$0	\$0	\$780,000	\$0	\$0	\$2,833,503	\$1,796,438	\$4,629,941
1d	Katella	Anaheim Blvd. to Anaheim Way	\$3,961,727	\$0	\$0	\$0	\$0	\$0	\$3,961,727	\$855,844	\$4,817,571
Subtotal Katella			\$19,379,589	\$2,241,680	\$616,000	\$4,394,000	\$603,658	\$0	\$27,234,927	\$13,117,126	\$40,352,053
2a	State College	Orangewood to 300' s/o Katella	\$4,019,230	\$0	\$586,600	\$260,000	\$581,234	\$0	\$5,447,064	\$2,487,750	\$7,934,814
2b	State College	300' s/o Katella to Cerritos (grade sep.)	\$14,874,121	\$1,324,400	\$770,000	\$845,000	\$0	\$0	\$17,813,521	\$7,458,578	\$25,272,099
2c	State College	1,000 s/o Orangewood to Orangewood	\$1,238,478	\$0	\$0	\$0	\$584,090	\$0	\$1,822,568	\$664,031	\$2,486,599
2d	State College	NB Right Turn Lane @ Orangewood	\$60,340	\$0	\$0	\$0	\$0	\$0	\$60,340	\$4,080,000	\$4,140,340
Subtotal State College			\$20,192,169	\$1,324,400	\$1,356,600	\$1,105,000	\$1,165,324	\$0	\$25,143,493	\$14,690,359	\$39,833,852
3a	Orangewood	Anaheim Way to w/o State College	\$2,134,877	\$0	\$574,000	\$3,250,000	\$650,150	\$0	\$6,609,027	\$984,844	\$7,593,871
3b	Orangewood	e/o State College to w/o Santa Ana River	\$5,354,491	\$0	\$670,600	\$5,915,000	\$1,207,696	\$0	\$13,147,787	\$6,195,188	\$19,342,975
3c	Orangewood	Santa Ana River Bridge	\$7,671,315	\$0	\$0	\$0	\$0	\$0	\$7,671,315	\$87,656	\$7,758,971
Subtotal Orangewood			\$15,160,683	\$0	\$1,244,600	\$9,165,000	\$1,857,846	\$0	\$27,428,129	\$7,267,688	\$34,695,817
4a	Gene Autry	I-5 to State College	\$3,047,382	\$2,240,000	\$399,000	\$3,250,000	\$0	\$0	\$8,936,382	\$1,800,469	\$10,736,851
4b	Gene Autry	West of I-5	\$2,125,000	\$0	\$0	\$1,375,000	\$0	\$0	\$3,500,000	\$11,500,000	\$15,000,000
Subtotal Gene Autry			\$5,172,382	\$2,240,000	\$399,000	\$4,625,000	\$0	\$0	\$12,436,382	\$13,300,469	\$25,736,851
5	Anaheim Way	700' n/o Katella to Orangewood	\$2,380,152	\$0	\$2,804,200	\$4,420,000	\$0	\$0	\$9,604,352	\$403,500	\$10,007,852
Subtotal Anaheim Way			\$2,380,152	\$0	\$2,804,200	\$4,420,000	\$0	\$0	\$9,604,352	\$403,500	\$10,007,852
6	Lewis	Gene Autry to Katella	\$4,512,776	\$0	\$1,068,200	\$1,527,500	\$701,432	\$0	\$7,809,908	\$24,384,769	\$32,194,677
Subtotal Lewis			\$4,512,776	\$0	\$1,068,200	\$1,527,500	\$701,432	\$0	\$7,809,908	\$24,384,769	\$32,194,677
7	Douglass	Katella to 1,000' n/o Katella	\$1,820,262	\$632,800	\$0	\$975,000	\$945,841	\$0	\$4,373,903	\$5,379,188	\$9,753,091
Subtotal Douglass			\$1,820,262	\$632,800	\$0	\$975,000	\$945,841	\$0	\$4,373,903	\$5,379,188	\$9,753,091
8		New Water Well	\$0	\$0	\$0	\$0	\$3,572,551	\$0	\$3,572,551	\$0	\$3,572,551
Subtotal New Well			\$0	\$0	\$0	\$0	\$3,572,551	\$0	\$3,572,551	\$0	\$3,572,551
9		New Fire Station	\$0	\$0	\$0	\$0	\$0	\$9,337,066	\$9,337,066	\$1,000,000	\$10,337,066
Subtotal New Fire Station			\$0	\$0	\$0	\$0	\$0	\$9,337,066	\$9,337,066	\$1,000,000	\$10,337,066
10		Major Storm Drain	\$0	\$0	\$9,786,000	\$0	\$0	\$0	\$9,786,000	\$2,187,500	\$11,973,500
Subtotal Major Storm Drain			\$0	\$0	\$9,786,000	\$0	\$0	\$0	\$9,786,000	\$2,187,500	\$11,973,500
11		S/B SR 57 Improvements	\$2,815,973	\$0	\$0	\$0	\$0	\$0	\$2,815,973	\$0	\$2,815,973
Subtotal Major Storm Drain			\$2,815,973	\$0	\$0	\$0	\$0	\$0	\$2,815,973	\$0	\$2,815,973
12		City of Orange Intersections	\$1,508,521	\$0	\$0	\$0	\$0	\$0	\$1,508,521	\$0	\$1,508,521
Subtotal Major Storm Drain			\$1,508,521	\$0	\$0	\$0	\$0	\$0	\$1,508,521	\$0	\$1,508,521
TOTALS			\$72,942,507	\$6,438,880	\$17,274,600	\$26,211,500	\$8,846,652	\$9,337,066	\$141,051,205	\$81,730,599	\$222,781,804

Notes

Project 2b: CFD bond funds shall only be used to fund the difference between the grant funds obtained for the project and the actual cost of the project.50% of total project cost allocated herein.

Project 11: City of Anaheim fair share participation

Project 12: City of Anaheim fair share participation

USE \$222.8M

**PLATINUM TRIANGLE
KATELLA AVENUE**
from
Anaheim Blvd. to 700' e/o State College

PROJECT 1A

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$340,000	1	\$340,000
2	Clearing and Grubbing	LS	\$70,000	1	\$70,000
3	Remove Existing Curb & Gutter	LF	\$2	8,750	\$17,500
4	Remove Existing Sidewalk	SF	\$0.50	66,180	\$33,090
5	Remove Existing Raised Median	SF	\$2.00	9,850	\$19,700
6	Excavation	CY	\$20	24,300	\$486,000
7	AC/AB	SF	\$6	115,500	\$693,000
8	Curb	LF	\$17	7,170	\$121,890
9	Curb and Gutter	LF	\$20	7,740	\$154,800
10	Sidewalk	SF	\$5	46,440	\$232,200
11	Roadway Grind & Overlay	SF	\$1.40	356,000	\$498,400
12	Off Site Improvements	LF	\$20	6,450	\$129,000
13	Utility Modifications/Adjustments	LS	\$205,000	1	\$205,000
14	Retaining Wall	SF	\$40		\$0
15	Date Palms (median)	EA	\$4,500	60	\$270,000
16	Date Palms (parkway)	EA	\$4,500	267	\$1,201,500
17	Median Groundcover	SF	\$3	58620	\$175,860
18	Median Irrigation	SF	\$3	58620	\$175,860
19	Parkway Groundcover	SF	\$3	54180	\$162,540
20	Parkway Irrigation	SF	\$3	54180	\$162,540
21	Bus Shelter w/street Furniture	EA	\$15,000	4	\$60,000
22	Palm Tree Uplighting	LS	\$215,000	1	\$215,000
23	Traffic Signal Modification	EA	\$180,000	3.00	\$540,000
24	Communication System	LS	\$400,000	1	\$400,000
25	Street Light System	LS	\$240,000	1	\$240,000
26	Signing and Striping	LS	\$70,000	1	\$70,000
27	Traffic Control	LS	\$140,000	1	\$140,000
	Subtotal				\$6,813,880
	Construction Contingency (15%)				\$1,022,082
	Engineering (10%)				\$681,388
	Construction Management (15%)				\$1,022,082
	TOTAL ROADWAY				\$9,539,432
B.SEWER IMPROVEMENTS					
1	Mobilization	LS	\$50,000	1	\$50,000
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440	1,240	\$545,600
5	18" Sewer	LF	\$460	610	\$280,600
6	21" Sewer	LF	\$480	1,100	\$528,000
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000	16	\$64,000
	Subtotal				\$1,468,200
	Construction Contingency (15%)				\$220,230
	Engineering (10%)				\$146,820
	Construction Management (15%)				\$220,230
	TOTAL SEWER				\$2,055,480
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200	400	\$80,000
6	8' x 8' RCB	LF	\$800		\$0
7	10' X 10' RCB	LF	\$950		\$0
8	Drainage System Modifications	LS			
	Subtotal				\$80,000
	Construction Contingency (15%)				\$12,000
	Engineering (10%)				\$8,000
	Construction Management (15%)				\$12,000
	TOTAL STORM DRAIN				\$112,000

**PLATINUM TRIANGLE
KATELLA AVENUE**
from
Anaheim Blvd. to 700' e/o State College

PROJECT 1A

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS				\$2,280,000
	Subtotal					\$2,280,000
	Construction Contingency (10%)					\$228,000
	Engineering (5%)					\$114,000
	Construction Management (15%)					\$342,000
	TOTAL ELECTRICAL					\$2,964,000
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS		1		\$0
	Subtotal					\$0
	Construction Contingency (15%)					\$0
	Engineering (10%)					\$0
	Construction Management (15%)					\$0
	TOTAL WATER					\$0
TOTAL CONSTRUCTION						\$14,670,912

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#082-241-15	SF	\$75	4,468		\$335,100
2	UPRR	SF	\$75	1,735		\$130,125
3	AP#082-241-14	SF	\$75	8,200		\$615,000
4	AP#082-260-57	SF	\$75	8,322		\$624,150
5	AP#082-260-67	SF	\$75	4,466		\$334,950
6	AP#082-260-68	SF	\$75	682		\$51,150
7	AP#082-260-69	SF	\$75	2,618		\$196,350
8	AP#082-260-06	SF	\$75	3,900		\$292,500
9	AP#082-260-85	SF	\$75	6,469		\$485,175
10	AP#083-250-64	SF	\$75	2,508		\$188,100
11	AP#083-250-45	SF	\$75	2,095		\$157,125
12	AP#083-751-03	SF	\$75	1,782		\$133,650
13	AP#083-751-04	SF	\$75	1,124		\$84,300
14	AP#083-751-13	SF	\$75	440		\$33,000
15	AP#083-751-14	SF	\$75	412		\$30,900
16	AP#083-751-01	SF	\$75	947		\$71,025
17	AP#083-260-18	SF	\$75	2,555		\$191,625
18	AP#083-260-37	SF	\$75	2,128		\$159,600
19	AP#082-260-54	SF	\$75	2,427		\$182,025
20	AP#083-260-34	SF	\$75	2,775		\$208,125
21	AP#082-24-116	SF	\$75	2,800		\$210,000
22	AP#232-021-01	SF	\$75	4,207		\$315,525
23	AP#232-021-04	SF	\$75	1,568		\$117,600
24	AP#232-021-15	SF	\$75	2,189		\$164,175
25	AP#232-021-07	SF	\$75	180		\$13,500
26	AP#083-250-61	SF	\$75	1,305		\$97,875
27	AP#083-260-70	SF	\$75	2,922		\$219,150
28	AP#083-250-39	SF	\$75	2,360		\$177,000
29	AP#083-260-31	SF	\$75	32		\$2,400
30	AP#253-531-16	SF	\$75	2,454		\$184,050
31	AP#253-531-17	SF	\$75	33		\$2,475
23	AP#082-241-18	SF	\$75	561		\$42,075
33	AP#083-260-36	SF	\$75	1,880		\$141,000
34	AP#082-241-17	SF	\$75	362		\$27,150
35	AP#082-241-11	SF	\$75	355		\$26,625
36	AP#083-260-32	SF	\$75	40		\$3,000
	Subtotal					\$6,247,575
	Contingency (25%)					\$1,561,894
	Total R/W					\$7,809,469
GRAND TOTALS						\$22,480,381

**PLATINUM TRIANGLE
KATELLA AVENUE**
from
700' e/o State College to w/o SR-57

PROJECT 1B

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$140,000	1	\$140,000
2	Clearing and Grubbing	LS	\$30,000	1	\$30,000
3	Remove Existing Curb & Gutter	LF	\$2	1,930	\$3,860
4	Remove Existing Sidewalk	SF	\$0.50	20,590	\$10,295
5	Remove Existing Raised Median	SF	\$2.00	6,700	\$13,400
6	Excavation	CY	\$20	5,125	\$102,500
7	AC/AB	SF	\$6	9,220	\$55,320
8	Curb	LF	\$17	1,520	\$25,840
9	Curb and Gutter	LF	\$20	1,900	\$38,000
10	Sidewalk	SF	\$5	17,180	\$85,900
11	Roadway Grind & Overlay	SF	\$1.40	146,240	\$204,736
12	Off Site Improvements	LF	\$20	2,300	\$46,000
13	Utility Modifications/Adjustments	LS	\$90,000	1	\$90,000
14	Retaining Wall	SF	\$40	16,000	\$640,000
15	Date Palms (median)	EA	\$4,500	24	\$108,000
16	Fan Palms (parkway)	EA	\$2,700	109	\$294,300
17	Median Groundcover	SF	\$3	12800	\$38,400
18	Median Irrigation	SF	\$3	12800	\$38,400
19	Parkway Groundcover	SF	\$3	18690	\$56,070
20	Parkway Irrigation	SF	\$3	18690	\$56,070
21	Palm Tree Uplighting	LS	\$90,000	1	\$90,000
22	Traffic Signal Modification	EA	\$180,000	1.75	\$315,000
23	Street Light System	LS	\$160,000	1	\$160,000
24	Signing and Striping	LS	\$30,000	1	\$30,000
25	Traffic Control	LS	\$60,000	1	\$60,000
Subtotal					\$2,732,091
Construction Contingency (15%)					\$409,814
Engineering (10%)					\$273,209
Construction Management (15%)					\$409,814
TOTAL ROADWAY					\$3,824,927
B.SEWER IMPROVEMENTS					
1	Mobilization	LS	\$50,000	1	\$15,000
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440	250	\$110,000
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000	2	\$8,000
Subtotal					\$133,000
Construction Contingency (15%)					\$19,950
Engineering (10%)					\$13,300
Construction Management (15%)					\$19,950
TOTAL SEWER					\$186,200
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS		1	\$30,000
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200	1,400	\$280,000
6	8' x 8' RCB	LF	\$800		\$0
7	10' x 10' RCB	LF	\$950		\$0
8	Drainage System Modifications	LS		1	\$50,000
Subtotal					\$360,000
Construction Contingency (15%)					\$54,000
Engineering (10%)					\$36,000
Construction Management (15%)					\$54,000
TOTAL STORM DRAIN					\$504,000

PLATINUM TRIANGLE
 KATELLA AVENUE
 from
 700' e/o State College to w/o SR-57

PROJECT 1B

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS	500000	1	\$500,000
Subtotal					\$500,000
Construction Contingency (10%)					\$50,000
Engineering (5%)					\$25,000
Construction Management (15%)					\$75,000
TOTAL ELECTRICAL					\$650,000
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS	477200	1	\$477,200
Construction Contingency (10%)					\$47,720
Construction Subtotal					\$524,920
Engineering (5%)					\$26,246
Construction Management (10%)					\$52,492
TOTAL WATER					\$603,658
TOTAL CONSTRUCTION					\$5,768,785

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	AP#253-531-06	SF	\$75	1,999	\$149,925
2	AP#253-531-23	SF	\$75	3,253	\$243,975
3	AP#232-011-47	SF	\$75	5,897	\$442,275
4	AP#232-011-02	SF	\$75	2,304	\$172,800
5	AP#253-531-07	SF	\$75	3,111	\$233,325
6	AP#253-622-04	SF	\$75	6,116	\$458,700
7	AP#253-532-12	SF	\$75	1,610	\$120,750
8	AP#253-532-04	SF	\$75	1,645	\$123,375
9	AP#253-532-08	SF	\$75	327	\$24,525
10	SCRRA R/W	SF	\$75	2,062	\$154,650
Subtotal					\$2,124,300
Contingency (25%)					\$531,075
Total R/W					\$2,655,375

GRAND TOTALS				\$8,424,160	
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**PLATINUM TRIANGLE
KATELLA AVENUE**
from
e/o SR57 to East City Limit

PROJECT 1C

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$85,000	1	\$85,000
2	Clearing and Grubbing	LS	\$20,000	1	\$20,000
3	Remove Existing Curb & Gutter	LF	\$2	1,970	\$3,940
4	Remove Existing Sidewalk	SF	\$0.50	17,540	\$8,770
5	Remove Existing Raised Median	SF	\$2.00	1,730	\$3,460
6	Excavation	CY	\$20	3,867	\$77,340
7	AC/AB	SF	\$6	18,180	\$109,080
8	Curb	LF	\$17	350	\$5,950
9	Curb and Gutter	LF	\$20	1,750	\$35,000
10	Sidewalk	SF	\$5	10,500	\$52,500
11	Roadway Grind & Overlay	SF	\$1.40	117,820	\$164,948
12	Off Site Improvements	LF	\$20	1,600	\$32,000
13	Utility Modifications/Adjustments	LS	\$60,000	1	\$60,000
14	Retaining Wall	SF	\$40		\$0
15	Date Palms (median)	EA	\$4,500	12	\$54,000
16	Fan Palms (parkway)	EA	\$2,700	74	\$199,800
17	Median Groundcover	SF	\$3	7750	\$23,250
18	Median Irrigation	SF	\$3	7750	\$23,250
19	Parkway Groundcover	SF	\$3	12250	\$36,750
20	Parkway Irrigation	SF	\$3	12250	\$36,750
21	Bus Shelter w/street Furnishings	EA	\$15,000	2	\$30,000
22	Palm Tree Uplighting	LS	\$55,000	1	\$55,000
23	Traffic Signal Modification	EA	\$180,000	1	\$180,000
24	Street Light System	LS	\$90,000	1	\$90,000
25	Signing and Striping	LS	\$20,000	1	\$20,000
26	Traffic Control	LS	\$60,000	1	\$60,000
Subtotal					\$1,466,788
Construction Contingency (15%)					\$220,018
Engineering (10%)					\$146,679
Construction Management (15%)					\$220,018
TOTAL ROADWAY					\$2,053,503
B.SEWER IMPROVEMENTS					
1	Mobilization	LS	\$50,000		
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
Subtotal					\$0
Construction Contingency (15%)					\$0
Engineering (10%)					\$0
Construction Management (15%)					\$0
TOTAL SEWER					\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			\$0
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	8' x 8' RCB	LF	\$800		\$0
7	10' X 10' RCB	LF	\$950		\$0
8	Drainage System Modifications	LS			
Subtotal					\$0
Construction Contingency (15%)					\$0
Engineering (10%)					\$0
Construction Management (15%)					\$0
TOTAL STORM DRAIN					\$0

PLATINUM TRIANGLE
 KATELLA AVENUE
 from
 e/o SR57 to East City Limit

PROJECT 1C

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS	600000	1	\$600,000
	Subtotal				\$600,000
	Construction Contingency (10%)				\$60,000
	Engineering (5%)				\$30,000
	Construction Management (15%)				\$90,000
	TOTAL ELECTRICAL				\$780,000
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS			\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL WATER				\$0
	TOTAL CONSTRUCTION				\$2,833,503

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	AP#253-601-02	SF	\$75	4,551	\$341,325
2	AP#253-521-16	SF	\$75	10,820	\$811,500
3	AP#232-071-01	SF	\$75	3,175	\$238,125
4	AP#232-072-03	SF	\$75	561	\$42,075
5	AP#253-521-04	SF	\$75	55	\$4,125
	Subtotal				\$1,437,150
	Contingency (25%)				\$359,288
	Total RW				\$1,796,438

	GRAND TOTALS				\$4,629,941
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**PLATINUM TRIANGLE
KATELLA AVENUE
from
Manchester to Anaheim**

PROJECT 1D

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$130,000	1	\$130,000
2	Clearing and Grubbing	LS	\$25,000	1	\$25,000
3	Remove Existing Curb & Gutter	LF	\$2	2,870	\$5,740
4	Remove Existing Sidewalk	SF	\$0.50	21,560	\$10,780
5	Remove Existing Raised Median	SF	\$2.00	1,300	\$2,600
6	Excavation	CY	\$20	5,075	\$101,500
7	AC/AB	SF	\$6	32,005	\$192,030
8	Curb	LF	\$17	280	\$4,760
9	Curb and Gutter	LF	\$20	2,190	\$43,800
10	Sidewalk	SF	\$5	17,520	\$87,600
11	Roadway Grind & Overlay	SF	\$1.40	127,425	\$178,395
12	Off Site Improvements	LF	\$20	1,250	\$25,000
13	Utility Modifications/Adjustments	LS	\$75,000	1	\$75,000
14	Retaining Wall	SF	\$175	7,320	\$1,281,000
15	Date Palms (median)	EA	\$4,500	0	\$0
16	Date Palms (parkway)	EA	\$4,500	14	\$63,000
17	Median Groundcover	SF	\$3	0	\$0
18	Median Irrigation	SF	\$3	0	\$0
19	Parkway Groundcover	SF	\$3	5600	\$16,800
20	Parkway Irrigation	SF	\$3	5600	\$16,800
21	Bus Shelter w/street Furnishings	EA	\$15,000	1	\$15,000
22	Palm Tree Uplighting	LS	\$10,000	1	\$10,000
23	Communication System	LS	\$50,000	1	\$50,000
24	Traffic Signal Modification	EA	\$180,000	2.00	\$360,000
25	Street Light System	LS	\$35,000	1	\$35,000
26	Signing and Striping	LS	\$25,000	1	\$25,000
27	Traffic Control	LS	\$75,000	1	\$75,000
Subtotal					\$2,829,805
Construction Contingency (15%)					\$424,471
Engineering (10%)					\$282,981
Construction Management (15%)					\$424,471
TOTAL ROADWAY					\$3,961,727
B.SEWER IMPROVEMENTS					
1	Mobilization	LS	\$50,000		
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
Subtotal					\$0
Construction Contingency (15%)					\$0
Engineering (10%)					\$0
Construction Management (15%)					\$0
TOTAL SEWER					\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			\$0
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	8' x 8' RCB	LF	\$800		\$0
7	10' X 10' RCB	LF	\$950		\$0
8	Drainage System Modifications	LS			
Subtotal					\$0
Construction Contingency (15%)					\$0
Engineering (10%)					\$0
Construction Management (15%)					\$0
TOTAL STORM DRAIN					\$0

PLATINUM TRIANGLE
 KATELLA AVENUE
 from
 Manchester to Anaheim

PROJECT 1D

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS	0	1	\$0
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (5%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS			\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL WATER				\$0
	TOTAL CONSTRUCTION				\$3,961,727

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	AP#137-320-93	SF	\$75	29	\$2,175
2	AP#137-320-94	SF	\$75	5,580	\$418,500
3	AP#137-320-91	SF	\$75	3,520	\$264,000
	Subtotal				\$684,675
	Contingency (25%)				\$171,169
	Total R/W				\$855,844

GRAND TOTALS					\$4,817,571
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**PLATINUM TRIANGLE
STATE COLLEGE BOULEVARD**
from
Orangewood Ave. to 300' s/o Katella

PROJECT 2A

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$150,000	1	\$150,000
2	Clearing and Grubbing	LS	\$30,000	1	\$30,000
3	Remove Existing Curb & Gutter	LF	\$2	4,430	\$8,860
4	Remove Existing Sidewalk	SF	\$0.50	27,290	\$13,645
5	Remove Existing Raised Median	SF	\$2.00	6,254	\$12,508
6	Excavation	CY	\$20	6,366	\$127,320
7	AC/AB	SF	\$6	31,710	\$190,260
8	Curb	LF	\$17	2,600	\$44,200
9	Curb and Gutter	LF	\$20	3,920	\$78,400
10	Sidewalk	SF	\$5	28,720	\$143,600
11	Roadway Grind & Overlay	SF	\$1.40	251,404	\$351,966
12	Off Site Improvements	LF	\$20	2,020	\$40,400
13	Utility Modifications/Adjustments	LS	\$90,000	1	\$90,000
14	Retaining Wall	SF	\$40	0	\$0
15	Canopy Tree (median)	EA	\$1,750	12	\$21,000
16	Canopy Tree (parkway)	EA	\$1,750	88	\$154,000
17	Fan Palm (parkway)	EA	\$2,700	88	\$237,600
18	Median Groundcover	SF	\$3	3000	\$9,000
19	Median Irrigation	SF	\$3	3000	\$9,000
20	Parkway Groundcover	SF	\$3	26520	\$79,560
21	Parkway Irrigation	SF	\$3	26520	\$79,560
22	Bus Shelter w/Street Furnishings	EA	\$15,000	2	\$30,000
23	Traffic Signal Modification	EA	\$180,000	2.5	\$450,000
24	Communication System	LS	\$250,000	1	\$250,000
25	Street Light System	LS	\$150,000	1	\$150,000
26	Signing and Striping	LS	\$30,000	1	\$30,000
27	Traffic Control	LS	\$90,000	1	\$90,000
Subtotal					\$2,870,879
Construction Contingency (15%)					\$430,632
Engineering (10%)					\$287,088
Construction Management (15%)					\$430,632
TOTAL ROADWAY					\$4,019,230
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
Subtotal					\$0
Construction Contingency (15%)					\$0
Engineering (10%)					\$0
Construction Management (15%)					\$0
TOTAL SEWER					\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS	\$50,000	1	\$50,000
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200	750	\$150,000
6	48" RCP	LF	\$260	650	\$169,000
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS		1	\$50,000
Subtotal					\$419,000
Construction Contingency (15%)					\$62,850
Engineering (10%)					\$41,900
Construction Management (15%)					\$62,850
TOTAL STORM DRAIN					\$586,600

PLATINUM TRIANGLE
STATE COLLEGE BOULEVARD
from
Orangewood Ave. to 300' s/o Katella

PROJECT 2A

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS	200000	1	\$200,000	
Subtotal					\$200,000	
Construction Contingency (10%)					\$20,000	
Engineering (5%)					\$10,000	
Construction Management (15%)					\$30,000	
TOTAL ELECTRICAL					\$260,000	
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS	427850	1	\$427,850	
Construction Contingency (10%)					\$42,785	
Construction Subtotal					\$470,635	
Engineering (12%)					\$56,476	
Construction Management (11.5%)					\$54,123	
TOTAL WATER					\$581,234	
TOTAL CONSTRUCTION					\$5,447,064	

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#083-290-88	SF	\$75	11,394	\$854,550	
2	AP#232-021-10	SF	\$75	279	\$20,925	
3	AP#083-270-75	SF	\$75	290	\$21,750	
4	AP#083-260-30	SF	\$75	1,353	\$101,475	
5	AP#083-260-33	SF	\$75	1,153	\$86,475	
6	AP#232-011-50	SF	\$75	4,213	\$315,975	
7	AP#083-260-36	SF	\$75	789	\$59,175	
8	AP#032-021-11	SF	\$75	997	\$74,775	
9	AP#083-260-29	SF	\$75	6,068	\$455,100	
Subtotal					\$1,990,200	
Contingency (25%)					\$497,550	
Total R/W					\$2,487,750	

GRAND TOTALS					\$7,934,814
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**PLATINUM TRIANGLE
STATE COLLEGE BOULEVARD
from**

**300' s/o Katella to Cerritos
(UPRR GRADE SEPARATION PROJECT)**

PROJECT 2B

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
A.ROADWAY IMPROVEMENTS						
1	Mobilization	LS	\$1,000,000	1	\$1,000,000	
2	Clearing and Grubbing	LS	\$250,000	1	\$250,000	
3	Remove Existing Curb & Gutter	LF	\$2	6,070	\$12,140	
4	Remove Existing Sidewalk	SF	\$0.50	39,350	\$19,675	
5	Remove Existing Raised Median	SF	\$2.00	6,254	\$12,508	
6	Excavation	CY	\$20	126,542	\$2,530,840	
7	AC/AB	SF	\$6	4,179	\$25,074	
8	Curb	LF	\$17	5,470	\$92,990	
9	Curb and Gutter	LF	\$20	6,680	\$133,600	
10	Sidewalk	SF	\$4	29,700	\$118,800	
11	Roadway Grind & Overlay	SF	\$1.40	271,227	\$379,718	
12	Off Site Improvements	LF	\$20	5,190	\$103,800	
13	Utility Modifications/Adjustments	LS	\$3,000,000	1	\$3,000,000	
14	Retaining Wall	SF	\$75	47,600	\$3,570,000	
15	Canopy Tree (median)	EA	\$1,750	47	\$82,250	
16	Canopy Tree (parkway)	EA	\$1,750	119	\$208,250	
17	Fan Palm (parkway)	SF	\$2,700	119	\$321,300	
18	Median Groundcover	SF	\$3	19,100	\$57,300	
19	Median Irrigation	SF	\$3	19,100	\$57,300	
20	Parkway Groundcover	SF	\$3	29,700	\$89,100	
21	Parkway Irrigation	SF	\$3	29,700	\$89,100	
22	Bus Shelter w/street Furnishings	EA	\$15,000	2	\$30,000	
23	Traffic Signal Modification	EA	\$180,000	2.75	\$495,000	
24	Street Light System	LS	\$200,000	1	\$200,000	
25	Signing and Striping	LS	\$40,000	1	\$40,000	
26	Traffic Control	LS	\$250,000	1	\$250,000	
27	Temporary Bypass Track	LS	\$2,500,000	1	\$2,500,000	
28	Railroad Flagman	LS	\$300,000	1	\$300,000	
29	Railway Bridge Structure	SF	\$400	13,200	\$5,280,000	
	Subtotal				\$21,248,745	
	Construction Contingency (15%)				\$3,187,312	
	Engineering (10%)				\$2,124,874	
	Construction Management (15%)				\$3,187,312	
	TOTAL ROADWAY				\$29,748,243	\$14,874,121
B.SEWER IMPROVEMENTS						
1	Mobilization	LS	\$50,000	1	\$50,000	
2	Sewer Lift Station	LS		1	\$750,000	
3	Sewer Liine	LF	\$420	2,600	\$1,092,000	
	Subtotal				\$1,892,000	
	Construction Contingency (15%)				\$283,800	
	Engineering (10%)				\$189,200	
	Construction Management (15%)				\$283,800	
	TOTAL SEWER				\$2,648,800	\$1,324,400
C.STORM DRAIN IMPROVEMENTS						
1	Mobilization	LS		1	\$100,000	
2	Stormwater Pump Station	LS		1	\$750,000	
3	Storm Drain System	LS		1	\$250,000	
	Subtotal				\$1,100,000	
	Construction Contingency (15%)				\$165,000	
	Engineering (10%)				\$110,000	
	Construction Management (15%)				\$165,000	
	TOTAL STORM DRAIN				\$1,540,000	\$770,000

**PLATINUM TRIANGLE
STATE COLLEGE BOULEVARD**
from
300' s/o Katella to Cerritos
(UPRR GRADE SEPARATION PROJECT)

PROJECT 2B

I.CONSTRUCTION					Total		
Item	Description	Unit	Unit Cost	Quantity	Cost		
D.ELECTRICAL IMPROVEMENTS							
1	Undergrounding Improvements	LS	\$1,300,000	1	\$1,300,000		
	Subtotal				\$1,300,000		
	Construction Contingency (10%)				\$130,000		
	Engineering (5%)				\$65,000		
	Construction Management (15%)				\$195,000		
	TOTAL ELECTRICAL				\$1,690,000	\$845,000	
E.WATER IMPROVEMENTS							
1	Water Line Improvements	LS		1			
	Subtotal				\$0		
	Construction Contingency (15%)				\$0		
	Engineering (10%)				\$0		
	Construction Management (15%)				\$0		
	TOTAL WATER				\$0	\$0	
TOTAL CONSTRUCTION						\$35,627,043	\$17,813,521

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#253-531-12	SF	\$75	5,197	\$389,775	
2	AP#253-531-02	SF	\$75	3,903	\$292,725	
3	AP#253-531-01	SF	\$75	18,562	\$1,392,150	
4	AP#253-061-05	SF	\$75	7,470	\$560,250	
5	AP#253-061-03	SF	\$75	2,286	\$171,450	
6	AP#253-061-02	SF	\$75	1,514	\$113,550	
7	AP#082-260-62	SF	\$75	1,862	\$139,650	
8	AP#082-260-82	SF	\$75	99,520	\$7,464,000	
9	AP#082-250-40	SF	\$75	4,245	\$318,375	
10	AP#082-250-41	SF	\$75	1,802	\$135,150	
11	Spur RR R/W	SF	\$75	667	\$50,025	
12	SBE 148-30-56A-4	SF	\$75	162	\$12,150	
13	AP#082-250-54	SF	\$75	1,490	\$111,750	
14	SE Corner	SF	\$75	1,522	\$114,150	
15	SCRRA R/W	SF	\$50	4,283	\$214,150	
16	AP#253-061-04	SF	\$75	1,565	\$117,375	
17	AP#083-210-21	SF	\$75	2,172	\$162,900	
18	AP#082-160-19	SF	\$75	1,866	\$139,950	
19	AP#082-160-39	SF	\$75	456	\$34,200	
	Subtotal				\$11,933,725	
	Contingency (25%)				\$2,983,431	
	Total R/W				\$14,917,156	\$7,458,578

GRAND TOTALS					\$50,544,199	\$25,272,099
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Platinum Triangle Share (50%) \$25,272,099

Breakdown		
Engineering	\$1,244,537	
Right of Way	\$7,458,578	
Construction	\$16,568,984	\$25,272,099

**PLATINUM TRIANGLE
STATE COLLEGE BOULEVARD**
from
1000' s/o Orangewood Ave. to Orangewood Ave.

PROJECT 2C

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$45,000	1	\$45,000
2	Clearing and Grubbing	LS	\$10,000	1	\$10,000
3	Remove Existing Curb & Gutter	LF	\$2	730	\$1,460
4	Remove Existing Sidewalk	SF	\$0.50	5,840	\$2,920
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	15,723	\$314,460
7	AC/AB	SF	\$6	5,392	\$32,352
8	Curb	LF	\$17	1,570	\$26,690
9	Curb and Gutter	LF	\$20	740	\$14,800
10	Sidewalk	SF	\$5	5,600	\$28,000
11	Roadway Grind & Overlay	SF	\$1.40	42,425	\$59,395
12	Off Site Improvements	LF	\$20	810	\$16,200
13	Utility Modifications/Adjustments	LS	\$30,000	1	\$30,000
14	Retaining Wall	SF	\$40		\$0
15	Canopy Tree (median)	EA	\$1,750	9	\$15,750
16	Canopy Tree (parkway)	EA	\$1,750	16	\$28,000
17	Fan Palm (parkway)	EA	\$2,700	16	\$43,200
18	Median Groundcover	SF	\$3	4600	\$13,800
19	Median Irrigation	SF	\$3	4600	\$13,800
20	Parkway Groundcover	SF	\$3	4800	\$14,400
21	Parkway Irrigation	SF	\$3	4800	\$14,400
22	Traffic Signal Modification	EA	\$180,000	0.5	\$90,000
23	Communication System	LS		1	\$0
24	Street Light System	LS	\$30,000	1	\$30,000
25	Signing and Striping	LS	\$10,000	1	\$10,000
26	Traffic Control	LS	\$30,000	1	\$30,000
	Subtotal				\$884,627
	Construction Contingency (15%)				\$132,694
	Engineering (10%)				\$88,463
	Construction Management (15%)				\$132,694
	TOTAL ROADWAY				\$1,238,478
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			\$0
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	48" RCP	LF	\$260		\$0
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS			\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0

PLATINUM TRIANGLE
STATE COLLEGE BOULEVARD
from
1000' s/o Orangewood Ave. to Orangewood Ave.

PROJECT 2C

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS		1	\$0	
	Subtotal				\$0	
	Construction Contingency (10%)				\$0	
	Engineering (5%)				\$0	
	Construction Management (15%)				\$0	
	TOTAL ELECTRICAL				\$0	
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS	423100	1	\$423,100	
	Construction Contingency (10%)				\$42,310	
	Construction Subtotal				\$465,410	
	Engineering (12%)				\$55,849	
	Construction Management (13.5%)				\$62,830	
	TOTAL WATER				\$584,090	
TOTAL CONSTRUCTION					\$1,822,567	

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#083-271-28	SF	\$75	2,103	\$157,725	
2	AP#083-271-26	SF	\$75	2,260	\$169,500	
3	AP#083-271-24	SF	\$75	960	\$72,000	
4	AP#083-271-18	SF	\$75	1,760	\$132,000	
	Subtotal				\$531,225	
	Contingency (25%)				\$132,806	
	Total R/W				\$664,031	

GRAND TOTALS					\$2,486,599	
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**PLATINUM TRIANGLE
STATE COLLEGE BOULEVARD
N/B Right Turn @ Orangewood**

PROJECT 2D

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$3,500	1	\$3,500
2	Clearing and Grubbing	LS	\$2,000	1	\$2,000
3	Remove Existing Curb & Gutter	LF	\$2	0	\$0
4	Remove Existing Sidewalk	SF	\$0.50	0	\$0
5	Remove Existing Raised Median	SF	\$2.00	0	\$0
6	Excavation	CY	\$20	305	\$6,100
7	AC/AB	SF	\$6	3,750	\$22,500
8	Curb	LF	\$17	0	\$0
9	Curb and Gutter	LF	\$20	0	\$0
10	Sidewalk	SF	\$5	0	\$0
11	Roadway Grind & Overlay	SF	\$1.40	0	\$0
12	Off Site Improvements	LF	\$20	0	\$0
13	Utility Modifications/Adjustments	LS	\$2,000	1	\$2,000
14	Retaining Wall	SF	\$40	0	\$0
15	Canopy Tree (median)	EA	\$1,750	0	\$0
16	Canopy Tree (parkway)	EA	\$1,750	0	\$0
17	Fan Palm (parkway)	EA	\$2,700	0	\$0
18	Median Groundcover	SF	\$3	0	\$0
19	Median Irrigation	SF	\$3	0	\$0
20	Parkway Groundcover	SF	\$3	0	\$0
21	Parkway Irrigation	SF	\$3	0	\$0
22	Traffic Signal Modification	EA	\$180,000	0	\$0
23	Communication System	LS		1	\$0
24	Street Light System	LS		1	\$0
25	Signing and Striping	LS	\$2,000	1	\$2,000
26	Traffic Control	LS	\$5,000	1	\$5,000
	Subtotal				\$43,100
	Construction Contingency (15%)				\$6,465
	Engineering (10%)				\$4,310
	Construction Management (15%)				\$6,465
	TOTAL ROADWAY				\$60,340
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			\$0
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	48" RCP	LF	\$260		\$0
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS			\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0

PLATINUM TRIANGLE
 STATE COLLEGE BOULEVARD
 N/B Right Turn @ Orangewood

PROJECT 2D

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS		1	\$0	
	Subtotal				\$0	
	Construction Contingency (10%)				\$0	
	Engineering (5%)				\$0	
	Construction Management (15%)				\$0	
	TOTAL ELECTRICAL				\$0	
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS		1	\$0	
	Subtotal				\$0	
	Construction Contingency (15%)				\$0	
	Engineering (10%)				\$0	
	Construction Management (15%)				\$0	
	TOTAL WATER				\$0	
TOTAL CONSTRUCTION						\$60,340

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#083-271-24	SF	\$75	1,320	\$99,000	
2	AP#083-271-18	SF	\$250	12,600	\$3,150,000	
3	AP#083-271-26	SF	\$75	200	\$15,000	
	Subtotal				\$3,264,000	
	Contingency (25%)				\$816,000	
	Total R/W				\$4,080,000	

GRAND TOTALS						\$4,140,340
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**PLATINUM TRIANGLE
ORANGEWOOD AVENUE**

from
Anaheim Way to w/o St. College

PROJECT 3A

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$90,000	1	\$90,000
2	Clearing and Grubbing	LS	\$20,000	1	\$20,000
3	Remove Existing Curb & Gutter	LF	\$2	21,900	\$43,800
4	Remove Existing Sidewalk	SF	\$0.50	13,690	\$6,845
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	3,375	\$67,500
7	AC/AB	SF	\$6	7,804	\$46,824
8	Curb	LF	\$17	1,490	\$25,330
9	Curb and Gutter	LF	\$20	2,290	\$45,800
10	Sidewalk	SF	\$5	16,800	\$84,000
11	Roadway Grind & Overlay	SF	\$1.40	133,581	\$187,013
12	Off Site Improvements	LF	\$20	1,730	\$34,600
13	Utility Modifications/Adjustments	LS	\$60,000	1	\$60,000
14	Retaining Wall	SF	\$40		\$0
15	Canopy Tree (median)	EA	\$1,750	26	\$45,500
16	Canopy Tree (parkway)	EA	\$1,750	46	\$80,500
17	Fan Palm (parkway)	SF	\$2,700	46	\$124,200
18	Median Groundcover	SF	\$3	16250	\$48,750
19	Median Irrigation	SF	\$3	16250	\$48,750
20	Parkway Groundcover	SF	\$3	6750	\$20,250
21	Parkway Irrigation	SF	\$3	6750	\$20,250
22	Traffic Signal Modification	EA	\$180,000	1.25	\$225,000
23	Street Light System	LS	\$120,000	1	\$120,000
24	Signing and Striping	LS	\$20,000	1	\$20,000
25	Traffic Control	LS	\$60,000	1	\$60,000
	Subtotal				\$1,524,912
	Construction Contingency (15%)				\$228,737
	Engineering (10%)				\$152,491
	Construction Management (15%)				\$228,737
	TOTAL ROADWAY				\$2,134,877
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS	\$75,000	1	\$75,000
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	48" RCP	LF	\$260	1,000	\$260,000
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS	\$75,000	1	\$75,000
	Subtotal				\$410,000
	Construction Contingency (15%)				\$61,500
	Engineering (10%)				\$41,000
	Construction Management (15%)				\$61,500
	TOTAL STORM DRAIN				\$574,000

PLATINUM TRIANGLE
ORANGEWOOD AVENUE
from
Anaheim Way to w/o St. College

PROJECT 3A

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS	2500000	1	\$2,500,000	
Subtotal					\$2,500,000	
Construction Contingency (10%)					\$250,000	
Engineering (5%)					\$125,000	
Construction Management (15%)					\$375,000	
TOTAL ELECTRICAL					\$3,250,000	
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS	514400	1	\$514,400	
Construction Contingency (10%)					\$51,440	
Construction Subtotal					\$565,840	
Engineering (5%)					\$28,292	
Construction Management (9.9%)					\$56,018	
TOTAL WATER					\$650,150	
TOTAL CONSTRUCTION					\$6,609,028	

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#232-081-18	SF	\$75	1,271	\$95,325	
2	AP#232-091-06(Orange)	SF	\$75	6,534	\$490,050	
3	AP#232-081-06	SF	\$75	2,700	\$202,500	
Subtotal					\$787,875	
Contingency (25%)					\$196,969	
Total R/W					\$984,844	

GRAND TOTALS					\$7,593,871	
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**PLATINUM TRIANGLE
ORANGEWOOD AVENUE**
from
e/o St. College to w/o SA River

PROJECT 3B

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$200,000	1	\$200,000
2	Clearing and Grubbing	LS	\$40,000	1	\$40,000
3	Remove Existing Curb & Gutter	LF	\$2	5,450	\$10,900
4	Remove Existing Sidewalk	SF	\$0.50	37,065	\$18,533
5	Remove Existing Raised Median	SF	\$2.00	2,280	\$4,560
6	Excavation	CY	\$20	14,111	\$282,220
7	AC/AB	SF	\$6	61,747	\$370,482
8	Curb	LF	\$17	8,075	\$137,275
9	Curb and Gutter	LF	\$20	8,117	\$162,340
10	Sidewalk	SF	\$5	40,585	\$202,925
11	Roadway Grind & Overlay	SF	\$1.40	229,644	\$321,502
12	Off Site Improvements	LF	\$20	4,720	\$94,400
13	Utility Modifications/Adjustments	LS	\$120,000	1	\$120,000
14	Retaining Wall	SF	\$100	2,880	\$288,000
15	Canopy Tree (median)	EA	\$1,750	50	\$87,500
16	Canopy Tree (parkway)	EA	\$1,750	95	\$166,250
17	Fan Palm (parkway)	SF	\$2,700	95	\$256,500
18	Median Groundcover	SF	\$3	28125	\$84,375
19	Median Irrigation	SF	\$3	28125	\$84,375
20	Parkway Groundcover	SF	\$3	23750	\$71,250
21	Parkway Irrigation	SF	\$3	23750	\$71,250
22	Bus Shelter w/Street Furnishings	EA	\$15,000	2	\$30,000
23	Traffic Signal Modification	EA	\$180,000	2.00	\$360,000
24	Street Light System	LS	\$200,000	1	\$200,000
25	Signing and Striping	LS	\$40,000	1	\$40,000
26	Traffic Control	LS	\$120,000	1	\$120,000
	Subtotal				\$3,824,636
	Construction Contingency (15%)				\$573,695
	Engineering (10%)				\$382,464
	Construction Management (15%)				\$573,695
	TOTAL ROADWAY				\$5,354,491
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS	\$30,000	1	\$30,000
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	57" RCP	LF	\$285	1,400	\$399,000
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS	\$50,000	1	\$50,000
	Subtotal				\$479,000
	Construction Contingency (15%)				\$71,850
	Engineering (10%)				\$47,900
	Construction Management (15%)				\$71,850
	TOTAL STORM DRAIN				\$670,600

PLATINUM TRIANGLE
ORANGEWOOD AVENUE
from
e/o St. College to w/o SA River

PROJECT 3B

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS	4550000	1	\$4,550,000	
					Subtotal	
					\$4,550,000	
					Construction Contingency (10%)	
					\$455,000	
					Engineering (5%)	
					\$227,500	
					Construction Management (15%)	
					\$682,500	
					TOTAL ELECTRICAL	
					\$5,915,000	
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS	954700	1	\$954,700	
					Construction Contingency (10%)	
					\$95,470	
					Construction Subtotal	
					\$1,050,170	
					Engineering (5%)	
					\$52,509	
					Construction Management (10%)	
					\$105,017	
					TOTAL WATER	
					\$1,207,696	
					TOTAL CONSTRUCTION	
					\$13,147,786	

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#083-270-74	SF	\$75	1,756	\$131,700	
2	AP#083-270-75	SF	\$75	789	\$59,175	
3	AP#083-270-73	SF	\$75	2,210	\$165,750	
4	AP#083-270-51	SF	\$75	199	\$14,925	
5	AP#083-270-47	SF	\$75	1,493	\$111,975	
6	AP#083-270-48	SF	\$75	2,223	\$166,725	
7	AP#232-011-42	SF	\$75	2,761	\$207,075	
8	AP#232-011-44	SF	\$75	5,849	\$438,675	
9	AP#232-011-36	SF	\$75	12,564	\$942,300	
10	AP#083-271-15	SF	\$75	2,082	\$156,150	
11	AP#083-271-13	SF	\$75	2,739	\$205,425	
12	AP#083-271-01	SF	\$75	3,009	\$225,675	
13	AP#232-011-33	SF	\$75	4,118	\$308,850	
14	AP#232-011-32	SF	\$75	3,719	\$278,925	
15	AP#232-011-19	SF	\$75	19,885	\$1,491,375	
16	AP#083-271-14	SF	\$75	686	\$51,450	
					Subtotal	
					\$4,956,150	
					Contingency (25%)	
					\$1,239,038	
					Total R/W	
					\$6,195,188	

GRAND TOTALS					\$19,342,974	
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PLATINUM TRIANGLE
ORANGEWOOD AVENUE

Santa Ana River Bridge

PROJECT 3C

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$280,000	1	\$280,000
2	Clearing and Grubbing	LS	\$55,000	1	\$55,000
3	Remove Existing Curb & Gutter	LF	\$2	1,800	\$3,600
4	Remove Existing Sidewalk	SF	\$0.50	5,805	\$2,903
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	1,049	\$20,980
7	AC/AB	SF	\$6	4,264	\$25,584
8	Curb	LF	\$17	525	\$8,925
9	Curb and Gutter	LF	\$20	1,730	\$34,600
10	Sidewalk	SF	\$5	8,550	\$42,750
11	Roadway Grind & Overlay	SF	\$1.40	56,085	\$78,519
12	Off Site Improvements	LF	\$20	760	\$15,200
13	Utility Modifications/Adjustments	LS	\$165,000	1	\$165,000
14	Bridge Widening (structural)	SF	\$325	13,650	\$4,436,250
15	Retaining Wall	SF	\$40	1,080	\$43,200
16	Canopy Tree (median)	EA	\$1,750	6	\$10,500
17	Canopy Tree (parkway)	EA	\$1,750	6	\$10,500
18	Fan Palm (parkway)	SF	\$2,700	6	\$16,200
19	Median Groundcover	SF	\$3	1800	\$5,400
20	Median Irrigation	SF	\$3	1800	\$5,400
21	Parkway Groundcover	SF	\$3	1500	\$4,500
22	Parkway Irrigation	SF	\$3	1500	\$4,500
23	Traffic Signal Modification	EA	\$180,000		\$0
24	Street Light System	LS	\$60,000	1	\$60,000
25	Signing and Striping	LS	\$30,000	1	\$30,000
26	Traffic Control	LS	\$120,000	1	\$120,000
	Subtotal				\$5,479,511
	Construction Contingency (15%)				\$821,927
	Engineering (10%)				\$547,951
	Construction Management (15%)				\$821,927
	TOTAL ROADWAY				\$7,671,315
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			\$0
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	48" RCP	LF	\$260		\$0
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS			\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0

PLATINUM TRIANGLE
ORANGEWOOD AVENUE

Santa Ana River Bridge

PROJECT 3C

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (5%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL WATER				\$0
	TOTAL CONSTRUCTION				\$7,671,315

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	AP#232-011-36	SF	\$75	935	\$70,125
	Subtotal				\$70,125
	Contingency (25%)				\$17,531
	Total R/W				\$87,656

GRAND TOTALS					\$7,758,971
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**PLATINUM TRIANGLE
GENE AUTRY WAY
from
I-5 to State College**

PROJECT 4A

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$120,000	1	\$120,000
2	Clearing and Grubbing	LS	\$25,000	1	\$25,000
3	Remove Existing Curb & Gutter	LF	\$2	3,075	\$6,150
4	Remove Existing Sidewalk	SF	\$0.50	7,144	\$3,572
5	Remove Existing Raised Median	SF	\$2.00	400	\$800
6	Excavation	CY	\$20	8,410	\$168,200
7	AC/AB	SF	\$6	36,661	\$219,966
8	Curb	LF	\$17	2,125	\$36,125
9	Curb and Gutter	LF	\$20	2,960	\$59,200
10	Sidewalk	SF	\$5	22,200	\$111,000
11	Roadway Grind & Overlay	SF	\$1.40	88,813	\$124,338
12	Off Site Improvements	LF	\$20	2,850	\$57,000
13	Utility Modifications/Adjustments	LS	\$75,000	1	\$75,000
14	Retaining Wall	SF	\$40	0	\$0
15	Canopy Tree (median)	EA	\$1,750	32	\$56,000
16	Canopy Tree (parkway)	EA	\$1,750	57	\$99,750
17	Fan Palm (parkway)	EA	\$2,700	57	\$153,900
18	Median Groundcover	SF	\$3	16000	\$48,000
19	Median Irrigation	SF	\$3	16000	\$48,000
20	Parkway Groundcover	SF	\$3	19950	\$59,850
21	Parkway Irrigation	SF	\$3	19950	\$59,850
	Communication System	LS	\$150,000	1	\$150,000
22	Traffic Signal Modification	EA	\$180,000	1.5	\$270,000
23	Street Light System	LS	\$125,000	1	\$125,000
24	Signing and Striping	LS	\$25,000	1	\$25,000
25	Traffic Control	LS	\$75,000	1	\$75,000
	Subtotal				\$2,176,701
	Construction Contingency (15%)				\$326,505
	Engineering (10%)				\$217,670
	Construction Management (15%)				\$326,505
	TOTAL ROADWAY				\$3,047,382
B.SEWER IMPROVEMENTS					
1	Mobilization	LS	\$40,000	1	\$40,000
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460	1,800	\$828,000
6	21" Sewer	LF	\$480	1,400	\$672,000
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000	15	\$60,000
	Subtotal				\$1,600,000
	Construction Contingency (15%)				\$240,000
	Engineering (10%)				\$160,000
	Construction Management (15%)				\$240,000
	TOTAL SEWER				\$2,240,000
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS	\$25,000	1	\$25,000
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200	1,200	\$240,000
6	57" RCP	LF	\$285		\$0
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS	\$20,000	1	\$20,000
	Subtotal				\$285,000
	Construction Contingency (15%)				\$42,750
	Engineering (10%)				\$28,500
	Construction Management (15%)				\$42,750
	TOTAL STORM DRAIN				\$399,000

PLATINUM TRIANGLE
 GENE AUTRY WAY
 from
 I-5 to State College

PROJECT 4A

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS	2250000	1	\$2,500,000	
	Subtotal				\$2,500,000	
	Construction Contingency (10%)				\$250,000	
	Engineering (5%)				\$125,000	
	Construction Management (15%)				\$375,000	
	TOTAL ELECTRICAL				\$3,250,000	
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS		1	\$0	
	Subtotal				\$0	
	Construction Contingency (15%)				\$0	
	Engineering (10%)				\$0	
	Construction Management (15%)				\$0	
	TOTAL ELECTRICAL				\$0	
TOTAL CONSTRUCTION						\$8,936,382

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#083-260-54	SF	\$75	2,984	\$223,800	
2	AP#083-260-72	SF	\$75	1,252	\$93,900	
3	AP#083-260-63	SF	\$75	1,059	\$79,425	
4	AP#083-260-29	SF	\$75	5,064	\$379,800	
5	AP#083-290-84	SF	\$75	34	\$2,550	
6	AP#083-290-94	SF	\$75	564	\$42,300	
7	AP#083-290-88	SF	\$75	8,248	\$618,600	
	Subtotal				\$1,440,375	
	Contingency (25%)				\$360,094	
	Total R/W				\$1,800,469	

GRAND TOTALS						\$10,736,850
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PLATINUM TRIANGLE
GENE AUTRY WEST

PROJECT 4B

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS			
2	Clearing and Grubbing	LS			
3	Remove Existing Curb & Gutter	LF	\$2		\$0
4	Remove Existing Sidewalk	SF	\$0.50		\$0
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20		\$0
7	AC/AB	SF	\$6		\$0
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20		\$0
10	Sidewalk	SF	\$4		\$0
12	Off Site Improvements	LF	\$20		\$0
13	Utility Modifications/Adjustments	LS			
14	Retaining Wall	SF	\$40		\$0
15	Median Landscape/Irrigation	SF	\$8		\$0
16	Parkway Landscape/Irrigation	SF	\$8		\$0
17	Traffic Signal Modification	EA	\$150,000		\$0
18	Street Light System	LS			
19	Signing and Striping	LS			
20	Traffic Control	LS			
Subtotal					\$1,634,615
Construction Contingency (15%)					\$245,192
Engineering					\$0
Construction Management (15%)					\$245,192
TOTAL ROADWAY					\$2,125,000
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
Subtotal					\$0
Construction Contingency (15%)					\$0
Engineering (10%)					\$0
Construction Management (15%)					\$0
TOTAL SEWER					\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	57" RCP	LF	\$285		\$0
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS			
Subtotal					\$0
Construction Contingency (15%)					\$0
Engineering (10%)					\$0
Construction Management (15%)					\$0
TOTAL STORM DRAIN					\$0
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS	1100000	1	\$1,100,000
Subtotal					\$1,100,000
Construction Contingency (10%)					\$110,000
Engineering					\$0
Construction Management (15%)					\$165,000
TOTAL ELECTRICAL					\$1,375,000

PLATINUM TRIANGLE
GENE AUTRY WEST

PROJECT 4B

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
	E.STATION IMPROVEMENTS				
1	New Station Construction/Equipment	LS		1	
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (10%)				\$0
	Construction Management (12%)				\$0
	TOTAL STATION				\$0
	TOTAL CONSTRUCTION				\$3,500,000

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	Portion of Total R/W (per CoA)	LS			\$11,500,000
	Total R/W				\$11,500,000

	GRAND TOTALS				\$15,000,000
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**PLATINUM TRIANGLE
ANAHEIM WAY**
from
700' n/o Katella to Orangewood

PROJECT 5

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$90,000	1	\$90,000
2	Clearing and Grubbing	LS	\$20,000	1	\$20,000
3	Remove Existing Curb & Gutter	LF	\$2	1,090	\$2,180
4	Remove Existing Sidewalk	SF	\$0.50	4,800	\$2,400
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	2,119	\$42,380
7	AC/AB	SF	\$6	9,932	\$59,592
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20	1,028	\$20,560
10	Sidewalk	SF	\$5	18,150	\$90,750
11	Roadway Grind & Overlay	SF	\$1.40	166,676	\$233,346
12	Off Site Improvements	LF	\$20	500	\$10,000
13	Utility Modifications/Adjustments	LS	\$60,000	1	\$60,000
14	Retaining Wall	SF	\$100	2,535	\$253,500
15	Fan Palms (parkway)	EA	\$2,700	145	\$391,500
16	Parkway Groundcover	SF	\$3	18150	\$54,450
17	Parkway Irrigation	SF	\$3	18150	\$54,450
16	Traffic Signal Modification	EA	\$180,000	0.25	\$45,000
18	Traffic Signal Upgrade	EA	\$30,000	1	\$30,000
19	Street Light System	LS	\$160,000	1	\$160,000
20	Signing and Striping	LS	\$20,000	1	\$20,000
21	Traffic Control	LS	\$60,000	1	\$60,000
	Subtotal				\$1,700,108
	Construction Contingency (15%)				\$255,016
	Engineering (10%)				\$170,011
	Construction Management (15%)				\$255,016
	TOTAL ROADWAY				\$2,380,152
B.SEWER IMPROVEMENTS					
1	Mobilization	LS	\$0		\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS	\$40,000	1	\$40,000
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	66" RCP	LF	\$340	3,200	\$1,088,000
5	96" RCP	LF	\$600	500	\$300,000
6	108" RCP	LF	\$700	750	\$525,000
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS	\$50,000	1	\$50,000
	Subtotal				\$2,003,000
	Construction Contingency (15%)				\$300,450
	Engineering (10%)				\$200,300
	Construction Management (15%)				\$300,450
	TOTAL STORM DRAIN				\$2,804,200
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS	3400000	1	\$3,400,000
	Subtotal				\$3,400,000
	Construction Contingency (10%)				\$340,000
	Engineering (5%)				\$170,000
	Construction Management (15%)				\$510,000
	TOTAL ELECTRICAL				\$4,420,000

PLATINUM TRIANGLE
ANAHEIM WAY
from
700' n/o Katella to Orangewood

PROJECT 5

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
TOTAL CONSTRUCTION					\$9,604,352

II. RIGHT OF WAY ACQUISITION				Base Roadway Project	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	AP#083-250-64	SF	\$75	4,222	\$316,650
2	AP#083-250-54	SF	\$75	82	\$6,150
	Subtotal				\$322,800
	Contingency (25%)				\$80,700
	Total R/W				\$403,500

GRAND TOTALS					\$10,007,852
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**PLATINUM TRIANGLE
LEWIS STREET
from
Gene Autry to Katella**

PROJECT 6

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
A.ROADWAY IMPROVEMENTS						
1	Mobilization	LS	\$175,000	1	\$175,000	
2	Clearing and Grubbing/Demo	LS	\$525,000	1	\$525,000	
3	Remove Existing Curb & Gutter	LF	\$2	2,920	\$5,840	
4	Remove Existing Sidewalk	SF	\$0.50	15,424	\$7,712	
5	Remove Existing Raised Median	SF	\$2.00		\$0	
6	Excavation	CY	\$20	7,092	\$141,840	
7	AC/AB	SF	\$6	105,510	\$633,060	
8	Curb	LF	\$17	3,380	\$57,460	
9	Curb and Gutter	LF	\$20	3,970	\$79,400	
10	Sidewalk	SF	\$5	21,024	\$105,120	
11	Roadway Fill	CY	\$15	26,500	\$397,500	
13	Roadway Grind & Overlay	SF	\$1.40	32,121	\$44,969	
14	Off Site Improvements	LF	\$20.00	1,410	\$28,200	
15	Utility Modifications/Adjustments	LS	\$125,000	1	\$125,000	
16	Retaining Wall	SF	\$40		\$0	
17	Canopy Tree (median)	EA	\$1,750	19	\$33,250	
18	Fan Palm (parkway)	EA	\$2,700	112	\$302,400	
19	Median Groundcover	SF	\$3	16260	\$48,780	
20	Median Irrigation	SF	\$3	16260	\$48,780	
21	Parkway Groundcover	SF	\$3	19850	\$59,550	
22	Parkway Irrigation	SF	\$3	19850	\$59,550	
23	Traffic Signal Modification	EA	\$180,000	0.5	\$90,000	
24	Street Light System	LS	\$135,000	1	\$135,000	
25	Signing and Striping	LS	\$30,000	1	\$30,000	
26	Traffic Control	LS	\$90,000	1	\$90,000	
	Subtotal				\$3,223,411	
	Construction Contingency (15%)				\$483,512	
	Engineering (10%)				\$322,341	
	Construction Management (15%)				\$483,512	
	TOTAL ROADWAY				\$4,512,776	
B.SEWER IMPROVEMENTS						
1	Mobilization	LS				
2	8" Sewer	LF	\$400		\$0	
3	12" Sewer	LF	\$420		\$0	
4	15" Sewer	LF	\$440		\$0	
5	18" Sewer	LF	\$460		\$0	
6	21" Sewer	LF	\$480		\$0	
7	24" Sewer	LF	\$500		\$0	
8	Sewer Manhole	EA	\$4,000		\$0	
	Subtotal				\$0	
	Construction Contingency (15%)				\$0	
	Engineering (10%)				\$0	
	Construction Management (15%)				\$0	
	TOTAL SEWER				\$0	
C.STORM DRAIN IMPROVEMENTS						
1	Mobilization	LS	\$25,000	1	\$25,000	
2	18" RCP	LF	\$140		\$0	
3	24" RCP	LF	\$160		\$0	
4	30" RCP	LF	\$175		\$0	
5	66" RCP	LF	\$340	450	\$153,000	
6	108" RCP	LF	\$700	800	\$560,000	
7	8' x 8' RCB	LF	\$800		\$0	
8	10' X 10' RCB	LF	\$950		\$0	
9	Drainage System Modifications	LS			\$25,000	
	Subtotal				\$763,000	
	Construction Contingency (15%)				\$114,450	
	Engineering (10%)				\$76,300	
	Construction Management (15%)				\$114,450	
	TOTAL STORM DRAIN				\$1,068,200	

**PLATINUM TRIANGLE
LEWIS STREET
from
Gene Autry to Katella**

PROJECT 6

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS	1175000	1	\$1,175,000
	Subtotal				\$1,175,000
	Construction Contingency (10%)				\$117,500
	Engineering (5%)				\$58,750
	Construction Management (15%)				\$176,250
	TOTAL ELECTRICAL				\$1,527,500
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS	508100	1	\$508,100
	Construction Contingency (10%)				\$50,810
	Construction Subtotal				\$558,910
	Engineering (12%)				\$67,069
	Construction Management (13.5%)				\$75,453
	TOTAL ELECTRICAL				\$701,432
	TOTAL CONSTRUCTION				\$7,809,908

II. RIGHT OF WAY ACQUISITION				Base Roadway Project	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	AP#083-751-36	SF	\$45	80,959	\$3,643,155
2	AP#083-751-38	SF	\$45	86,537	\$3,894,165
3	AP#083-751-16	SF	\$70	36,033	\$2,522,310
4	AP#083-751-17	SF	\$60	42,708	\$2,562,480
5	AP#083-751-05	SF	\$75	27,498	\$2,062,350
6	AP#083-751-04	SF	\$75	1,093	\$81,975
7	AP#083-751-03	SF	\$75	2,022	\$151,650
8	AP#083-250-46	SF	\$60	26,263	\$1,575,780
9	AP#083-250-45	SF	\$75	1,277	\$95,775
10	AP#083-250-39	SF	\$75	19,738	\$1,480,350
11	AP#082-260-57	SF	\$75	1,565	\$117,375
12	AP#082-241-14	SF	\$75	1,982	\$148,650
13	AP#082-241-13	SF	\$75	4,194	\$314,550
14	AP#083-751-40	SF	\$75	11,430	\$857,250
	Subtotal				\$19,507,815
	Contingency (25%)				\$4,876,954
	Total R/W				\$24,384,769

GRAND TOTALS					\$32,194,677
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**PLATINUM TRIANGLE
DOUGLASS ROAD
from
Katella to 1,000' n/o Katella**

PROJECT 7

I.CONSTRUCTION

				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$60,000	1	\$60,000
2	Clearing and Grubbing/Demo	LS	\$15,000	1	\$15,000
3	Remove Existing Curb & Gutter	LF	\$2	6,780	\$13,560
4	Remove Existing Sidewalk	SF	\$0.50	39,670	\$19,835
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	12,878	\$257,560
7	AC/AB	SF	\$6	9,305	\$55,830
8	Curb	LF	\$17	700	\$11,900
9	Curb and Gutter	LF	\$20	4,685	\$93,700
10	Sidewalk	SF	\$5	23,425	\$117,125
11	Roadway Grind & Overlay	SF	\$1.40	147,298	\$206,217
12	Roadway Fill	CY	\$15		\$0
13	Utility Modifications/Adjustments	LS	\$45,000	1	\$45,000
14	Retaining Wall	SF	\$40		\$0
15	Fan Palms (parkway)	EA	\$2,700	73	\$197,100
16	Parkway Groundcover	SF	\$3	14,560	\$43,680
17	Parkway Irrigation	SF	\$3	14,560	\$43,680
18	Traffic Signal Modification	EA	\$180,000		\$0
19	Street Light System	LS	\$60,000	1	\$60,000
20	Signing and Striping	LS	\$15,000	1	\$15,000
21	Traffic Control	LS	\$45,000	1	\$45,000
	Subtotal				\$1,300,187
	Construction Contingency (15%)				\$195,028
	Engineering (10%)				\$130,019
	Construction Management (15%)				\$195,028
	TOTAL ROADWAY				\$1,820,262
B.SEWER IMPROVEMENTS					
1	Mobilization	LS	\$20,000		\$20,000
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420	1,000	\$420,000
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000	3	\$12,000
	Subtotal				\$452,000
	Construction Contingency (15%)				\$67,800
	Engineering (10%)				\$45,200
	Construction Management (15%)				\$67,800
	TOTAL SEWER				\$632,800

**PLATINUM TRIANGLE
DOUGLASS ROAD
from
Katella to 1,000' n/o Katella**

PROJECT 7

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
				C.STORM DRAIN IMPROVEMENTS	
1	Mobilization	LS			\$0
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	48" RCP	LF	\$260		\$0
5	57" RCP	LF	\$285		\$0
6	66" RCP	LF	\$340		\$0
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS			\$0
Subtotal					\$0
Construction Contingency (15%)					\$0
Engineering (10%)					\$0
Construction Management (15%)					\$0
TOTAL STORM DRAIN					\$0
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS	\$750,000	1	\$750,000
Subtotal					\$750,000
Construction Contingency (10%)					\$75,000
Engineering (5%)					\$37,500
Construction Management (15%)					\$112,500
TOTAL ELECTRICAL					\$975,000
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS	\$747,700	1	\$747,700
Construction Contingency (10%)					\$74,770
Subtotal					\$822,470
Engineering (5%)					\$41,124
Construction Management (10%)					\$82,247
TOTAL ELECTRICAL					\$945,841
TOTAL CONSTRUCTION					\$4,373,903

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
				1	AP#253-521-16
2	AP#253-601-02	SF	\$75	6,099	\$457,425
3	AP#232-072-03	SF	\$75	16,737	\$1,255,275
4	AP#232-071-03	SF	\$75	9,002	\$675,150
5	AP#232-071-01	SF	\$75	4,419	\$331,425
Subtotal					\$4,303,350
Contingency (25%)					\$1,075,838
Total R/W					\$5,379,188

GRAND TOTALS					\$9,753,090
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**PLATINUM TRIANGLE
NEW WATER WELL
(Location TBD)**

PROJECT 8

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS			
2	Clearing and Grubbing	LS			
3	Remove Existing Curb & Gutter	LF	\$2		\$0
4	Remove Existing Sidewalk	SF	\$0.50		\$0
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20		\$0
7	AC/AB	SF	\$6		\$0
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20		\$0
10	Sidewalk	SF	\$4		\$0
12	Off Site Improvements	LF	\$20		\$0
13	Utility Modifications/Adjustments	LS			
14	Retaining Wall	SF	\$40		\$0
15	Median Landscape/Irrigation	SF	\$8		\$0
16	Parkway Landscape/Irrigation	SF	\$8		\$0
17	Traffic Signal Modification	EA	\$150,000		\$0
18	Street Light System	LS			
19	Signing and Striping	LS			
20	Traffic Control	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL ROADWAY				\$0
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	57" RCP	LF	\$285		\$0
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS		1	
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (5%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0

PLATINUM TRIANGLE
NEW WATER WELL
(Location TBD)

PROJECT 8

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
	E.WATER IMPROVEMENTS				
1	New Water Well	LS	2462300	1	\$2,462,300
	Construction Contingency (10%)				\$246,230
	Construction Subtotal				\$2,708,530
	Engineering (12.8%)				\$346,692
	Construction Management (19.1%)				\$517,329
	TOTAL ELECTRICAL				\$3,572,551
	TOTAL CONSTRUCTION				\$3,572,551

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1		SF	\$75		\$0
2		SF	\$75		\$0
	Subtotal				\$0
	Contingency (25%)				\$0
	Total R/W				\$0

	GRAND TOTALS				\$3,572,551
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**PLATINUM TRIANGLE
NEW FIRE STATION**

PROJECT 9

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS			
2	Clearing and Grubbing	LS			
3	Remove Existing Curb & Gutter	LF	\$2		\$0
4	Remove Existing Sidewalk	SF	\$0.50		\$0
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20		\$0
7	AC/AB	SF	\$6		\$0
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20		\$0
10	Sidewalk	SF	\$4		\$0
12	Off Site Improvements	LF	\$20		\$0
13	Utility Modifications/Adjustments	LS			
14	Retaining Wall	SF	\$40		\$0
15	Median Landscape/Irrigation	SF	\$8		\$0
16	Parkway Landscape/Irrigation	SF	\$8		\$0
17	Traffic Signal Modification	EA	\$150,000		\$0
18	Street Light System	LS			
19	Signing and Striping	LS			
20	Traffic Control	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL ROADWAY				\$0
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			
2	18" RCP	LF	\$140		\$0
3	24" RCP	LF	\$160		\$0
4	30" RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	57" RCP	LF	\$285		\$0
7	8' x 8' RCB	LF	\$800		\$0
8	10' X 10' RCB	LF	\$950		\$0
9	Drainage System Modifications	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS		1	
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (5%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0

PLATINUM TRIANGLE
NEW FIRE STATION

PROJECT 9

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
	E.STATION IMPROVEMENTS				
1	New Station Construction	LS	5623000	1	\$5,623,000
	Construction Contingency (10%)				\$562,300
	Construction Subtotal				\$6,185,300
	FF & E's				\$56,000
	Fire Vehicle Equipment				\$1,735,000
	Engineering (9%)				\$556,677
	Construction Management (13%)				\$804,089
	TOTAL STATION				\$9,337,066
	TOTAL CONSTRUCTION				\$9,337,066

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	Station Site	LS			\$800,000
					\$0
	Subtotal				\$800,000
	Contingency (25%)				\$200,000
	Total R/W				\$1,000,000

	GRAND TOTALS				\$10,337,066
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PLATINUM TRIANGLE
MAJOR STORM DRAIN

PROJECT 10

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS			
2	Clearing and Grubbing	LS			
3	Remove Existing Curb & Gutter	LF	\$2		\$0
4	Remove Existing Sidewalk	SF	\$0.50		\$0
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20		\$0
7	AC/AB	SF	\$6		\$0
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20		\$0
10	Sidewalk	SF	\$4		\$0
12	Off Site Improvements	LF	\$20		\$0
13	Utility Modifications/Adjustments	LS			
14	Retaining Wall	SF	\$40		\$0
15	Median Landscape/Irrigation	SF	\$8		\$0
16	Parkway Landscape/Irrigation	SF	\$8		\$0
17	Traffic Signal Modification	EA	\$150,000		\$0
18	Street Light System	LS			
19	Signing and Striping	LS			
20	Traffic Control	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL ROADWAY				\$0
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

**PLATINUM TRIANGLE
MAJOR STORM DRAIN**

PROJECT 10

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
C.STORM DRAIN IMPROVEMENTS						
1	Mobilization	LS	\$200,000	1	\$200,000	
2	18" RCP	LF	\$140		\$0	
3	24"RCP	LF	\$160		\$0	
4	30"RCP	LF	\$175		\$0	
5	36" RCP	LF	\$200		\$0	
6	57" RCP	LF	\$285		\$0	
7	10' X 10' RCB	LF	\$950	3,400	\$3,230,000	
8	12.5' X 10' RCB	LF	\$1,200	2,800	\$3,360,000	
9	Drainage System Modifications	LS			\$200,000	
	Subtotal				\$6,990,000	
	Construction Contingency (15%)				\$1,048,500	
	Engineering (10%)				\$699,000	
	Construction Management (15%)				\$1,048,500	
	TOTAL STORM DRAIN				\$9,786,000	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS		1	\$0	
	Subtotal				\$0	
	Construction Contingency (10%)				\$0	
	Engineering (5%)				\$0	
	Construction Management (15%)				\$0	
	TOTAL ELECTRICAL				\$0	
E.STATION IMPROVEMENTS						
1	New Station Construction/Equipment	LS		1	\$0	
	Subtotal				\$0	
	Construction Contingency (10%)				\$0	
	Engineering (10%)				\$0	
	Construction Management (12%)				\$0	
	TOTAL STATION				\$0	
	TOTAL CONSTRUCTION				\$9,786,000	

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	Easement S/O Orangewood	SF	\$25	70,000	\$1,750,000	
2					\$0	
	Subtotal				\$1,750,000	
	Contingency (25%)				\$437,500	
	Total R/W				\$2,187,500	

GRAND TOTALS					\$11,973,500
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Platinum Triangle Expansion
City of Orange Intersections
Cost Summary

Intersection	Egr.	Total Project			Fair Share %	Anaheim Share Total
		R/W	Const.	Total		
Tier I Improvements						
Chapman/Rampart	\$19,797	\$326,250	\$257,361	\$603,408	27.80%	\$167,747
Batavia/Collins	\$23,241	\$197,188	\$302,133	\$522,562	40.80%	\$213,205
State College/Chapman	\$1,000		\$13,000	\$14,000	22.00%	\$3,080
State College/Orange Center	\$1,000		\$13,000	\$14,000	24.80%	\$3,472
Tier I Improvement Total	\$45,038	\$523,438	\$585,494	\$1,153,970	33.58%	\$387,505
Tier II Improvements						
Main/Chapman	\$23,780	\$3,218,750	\$309,140	\$3,551,670	25.30%	\$898,573
Tier II Improvement Total	\$23,780	\$3,218,750	\$309,140	\$3,551,670	25.30%	\$898,573
Tier III Improvements						
Main/Collins	\$17,476	\$262,500	\$227,188	\$507,164	17.50%	\$88,754
Glassel/Collins	\$17,782	\$112,500	\$231,159	\$361,441	19.10%	\$69,035
Main/Struck	\$14,786	\$204,375	\$192,218	\$411,379	2.00%	\$8,228
Glassel/Walnut	\$17,950	\$230,625	\$233,350	\$481,925	11.00%	\$53,012
Main/Taft	\$1,000		\$13,000	\$14,000	24.40%	\$3,416
Tier III Improvement Total	\$68,994	\$810,000	\$896,915	\$1,775,909	12.53%	\$222,444
Totals						
	\$137,812	\$4,552,188	\$1,791,549	\$6,481,549	23.27%	\$1,508,521

PLATINUM TRIANGLE
Chapman/Rampart
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$30,000	1	\$30,000
2	Clearing and Grubbing	LS	\$15,000	1	\$15,000
3	Remove Existing Curb & Gutter	LF	\$2	350	\$700
4	Remove Existing Sidewalk	SF	\$0.50	2,100	\$1,050
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	470	\$9,400
7	AC/AB	SF	\$6	3,720	\$22,320
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20	350	\$7,000
10	Sidewalk	SF	\$5	2,100	\$10,500
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20	350	\$7,000
13	Utility Modifications/Adjustments	LS	\$10,000	1	\$10,000
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000	0.25	\$45,000
24	Communication System	LS		1	\$0
25	Street Light System	LS	\$15,000	1	\$15,000
26	Signing and Striping	LS	\$5,000	1	\$5,000
27	Traffic Control	LS	\$20,000	1	\$20,000
	Subtotal				\$197,970
	Construction Contingency (15%)				\$29,696
	Engineering (10%)				\$19,797
	Construction Management (15%)				\$29,696
	TOTAL ROADWAY				\$277,158
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

PLATINUM TRIANGLE
Chapman/Rampart
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	18" RCP	LF	\$140		\$0
3	24"RCP	LF	\$160		\$0
4	30"RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	8' x 8' RCB	LF	\$800		\$0
7	10' X 10' RCB	LF	\$950		\$0
8	Drainage System Modifications	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (5%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL WATER				\$0
	TOTAL CONSTRUCTION				\$277,158

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	West side Rampart	SF	\$75	3,480	\$261,000
		SF	\$75		\$0
	Subtotal				\$261,000
	Contingency (25%)				\$65,250
	Total R/W				\$326,250

GRAND TOTALS					\$603,408
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PLATINUM TRIANGLE PROJECT SHARE 27.80% \$167,747

BREAKDOWN

Engineering	27.80%	\$5,504
Right-of-Way	27.80%	\$90,698
Construction	27.80%	\$71,546

PLATINUM TRIANGLE
Batavia/Collins
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$20,000	1	\$20,000
2	Clearing and Grubbing	LS	\$10,000	1	\$10,000
3	Remove Existing Curb & Gutter	LF	\$2	330	\$660
4	Remove Existing Sidewalk	SF	\$0.50	2,640	\$1,320
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	340	\$6,800
7	AC/AB	SF	\$6	1,980	\$11,880
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20	330	\$6,600
10	Sidewalk	SF	\$5	2,310	\$11,550
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20	330	\$6,600
13	Utility Modifications/Adjustments	LS	\$10,000	1	\$10,000
14	Retaining Wall	SF	\$100	720	\$72,000
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000	0.25	\$45,000
24	Communication System	LS		1	\$0
25	Street Light System	LS	\$15,000	1	\$15,000
26	Signing and Striping	LS	\$5,000	1	\$5,000
27	Traffic Control	LS	\$10,000	1	\$10,000
	Subtotal				\$232,410
	Construction Contingency (15%)				\$34,862
	Engineering (10%)				\$23,241
	Construction Management (15%)				\$34,862
	TOTAL ROADWAY				\$325,374
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

**PLATINUM TRIANGLE
Batavia/Collins
Alternative 2**

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	18" RCP	LF	\$140		\$0
3	24"RCP	LF	\$160		\$0
4	30"RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	8' x 8' RCB	LF	\$800		\$0
7	10' X 10' RCB	LF	\$950		\$0
8	Drainage System Modifications	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (5%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL WATER				\$0
	TOTAL CONSTRUCTION				\$325,374

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	S/E Corner	SF	\$75	1,770	\$132,750
2	Remove Pkg. Stalls	EA	\$5,000	5	\$25,000
3		SF	\$75		\$0
	Subtotal				\$157,750
	Contingency (25%)				\$39,438
	Total R/W				\$197,188

GRAND TOTALS					\$522,562
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PLATINUM TRIANGLE PROJECT SHARE 40.80% \$213,205

BREAKDOWN

Engineering	40.80%	\$9,482
Right-of-Way	40.80%	\$80,453
Construction	40.80%	\$123,270

PLATINUM TRIANGLE
State College/Chapman
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$20,000		\$0
2	Clearing and Grubbing	LS	\$10,000		\$0
3	Remove Existing Curb & Gutter	LF	\$2		\$0
4	Remove Existing Sidewalk	SF	\$0.50		\$0
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20		\$0
7	AC/AB	SF	\$6		\$0
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20		\$0
10	Sidewalk	SF	\$5		\$0
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20		\$0
13	Utility Modifications/Adjustments	LS	\$10,000		\$0
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000		\$0
24	Communication System	LS			\$0
25	Street Light System	LS			\$0
26	Signing and Striping	LS	\$10,000	1	\$10,000
27	Traffic Control	LS			\$0
	Subtotal				\$10,000
	Construction Contingency (15%)				\$1,500
	Engineering (10%)				\$1,000
	Construction Management (15%)				\$1,500
	TOTAL ROADWAY				\$14,000
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

PLATINUM TRIANGLE
State College/Orange Center
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$20,000		\$0
2	Clearing and Grubbing	LS	\$10,000		\$0
3	Remove Existing Curb & Gutter	LF	\$2		\$0
4	Remove Existing Sidewalk	SF	\$0.50		\$0
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20		\$0
7	AC/AB	SF	\$6		\$0
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20		\$0
10	Sidewalk	SF	\$5		\$0
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20		\$0
13	Utility Modifications/Adjustments	LS	\$10,000		\$0
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000		\$0
24	Communication System	LS			\$0
25	Street Light System	LS			\$0
26	Signing and Striping	LS	\$10,000	1	\$10,000
27	Traffic Control	LS			\$0
	Subtotal				\$10,000
	Construction Contingency (15%)				\$1,500
	Engineering (10%)				\$1,000
	Construction Management (15%)				\$1,500
	TOTAL ROADWAY				\$14,000
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

PLATINUM TRIANGLE
Main/Chapman
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$30,000	1	\$30,000
2	Clearing and Grubbing	LS	\$15,000	1	\$15,000
3	Remove Existing Curb & Gutter	LF	\$2	500	\$1,000
4	Remove Existing Sidewalk	SF	\$0.50	4,000	\$2,000
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	300	\$6,000
7	AC/AB	SF	\$6	4,800	\$28,800
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20	500	\$10,000
10	Sidewalk	SF	\$5	4,000	\$20,000
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20	500	\$10,000
13	Utility Modifications/Adjustments	LS	\$20,000	1	\$20,000
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000	0.25	\$45,000
24	Communication System	LS			\$0
25	Street Light System	LS	\$20,000	1	\$20,000
26	Signing and Striping	LS	\$10,000	1	\$10,000
27	Traffic Control	LS	\$20,000	1	\$20,000
	Subtotal				\$237,800
	Construction Contingency (15%)				\$35,670
	Engineering (10%)				\$23,780
	Construction Management (15%)				\$35,670
	TOTAL ROADWAY				\$332,920
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

**PLATINUM TRIANGLE
Main/Chapman
Alternative 2**

Project 12

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity		Cost
				Quantity	Cost	
C.STORM DRAIN IMPROVEMENTS						
1	Mobilization	LS		1		\$0
2	18" RCP	LF	\$140			\$0
3	24"RCP	LF	\$160			\$0
4	30"RCP	LF	\$175			\$0
5	36" RCP	LF	\$200			\$0
6	8' x 8' RCB	LF	\$800			\$0
7	10' X 10' RCB	LF	\$950			\$0
8	Drainage System Modifications	LS		1		\$0
	Subtotal					\$0
	Construction Contingency (15%)					\$0
	Engineering (10%)					\$0
	Construction Management (15%)					\$0
	TOTAL STORM DRAIN					\$0
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS		1		\$0
	Subtotal					\$0
	Construction Contingency (10%)					\$0
	Engineering (5%)					\$0
	Construction Management (15%)					\$0
	TOTAL ELECTRICAL					\$0
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS		1		\$0
	Subtotal					\$0
	Construction Contingency (15%)					\$0
	Engineering (10%)					\$0
	Construction Management (15%)					\$0
	TOTAL WATER					\$0
	TOTAL CONSTRUCTION					\$332,920

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity		Cost
				Quantity	Cost	
1	West F/T	SF	\$250	3,000		\$750,000
2	Building Modification	SF	\$250	1,500		\$375,000
3	N/W Corner F/T	SF	\$250	5,600		\$1,400,000
4	Remove Parking Stalls	EA	\$5,000	10		\$50,000
	Subtotal					\$2,575,000
	Contingency (25%)					\$643,750
	Total R/W					\$3,218,750

GRAND TOTALS						\$3,551,670
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PLATINUM TRIANGLE PROJECT SHARE 25.30% \$898,573

BREAKDOWN

Engineering 25.30% \$6,016
Right-of-Way 25.30% \$814,344
Construction 25.30% \$78,212

PLATINUM TRIANGLE
Main/Collins
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
				A.ROADWAY IMPROVEMENTS	
1	Mobilization	LS	\$20,000	1	\$20,000
2	Clearing and Grubbing	LS	\$10,000	1	\$10,000
3	Remove Existing Curb & Gutter	LF	\$2	360	\$720
4	Remove Existing Sidewalk	SF	\$0.50	2,880	\$1,440
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	480	\$9,600
7	AC/AB	SF	\$6	3,200	\$19,200
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20	360	\$7,200
10	Sidewalk	SF	\$5	2,880	\$14,400
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20	360	\$7,200
13	Utility Modifications/Adjustments	LS	\$10,000	1	\$10,000
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000	0.25	\$45,000
24	Communication System	LS		1	\$0
25	Street Light System	LS	\$15,000	1	\$15,000
26	Signing and Striping	LS	\$5,000	1	\$5,000
27	Traffic Control	LS	\$10,000	1	\$10,000
	Subtotal				\$174,760
	Construction Contingency (15%)				\$26,214
	Engineering (10%)				\$17,476
	Construction Management (15%)				\$26,214
	TOTAL ROADWAY				\$244,664
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

PLATINUM TRIANGLE
Main/Collins
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	18" RCP	LF	\$140		\$0
3	24"RCP	LF	\$160		\$0
4	30"RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	8' x 8' RCB	LF	\$800		\$0
7	10' X 10' RCB	LF	\$950		\$0
8	Drainage System Modifications	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (5%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL WATER				\$0
	TOTAL CONSTRUCTION				\$244,664

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	S/E Corner	SF	\$75	2,800	\$210,000
2		SF	\$75		\$0
3		SF	\$75		\$0
	Subtotal				\$210,000
	Contingency (25%)				\$52,500
	Total R/W				\$262,500

GRAND TOTALS					\$507,164
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PLATINUM TRIANGLE PROJECT SHARE 17.50% \$88,754

BREAKDOWN

Engineering	17.50%	\$3,058
Right-of-Way	17.50%	\$45,938
Construction	17.50%	\$39,758

PLATINUM TRIANGLE
 Glassel/Collins
 Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$25,000	1	\$25,000
2	Clearing and Grubbing	LS	\$15,000	1	\$15,000
3	Remove Existing Curb & Gutter	LF	\$2	410	\$820
4	Remove Existing Sidewalk	SF	\$0.50	2,290	\$1,145
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	430	\$8,600
7	AC/AB	SF	\$6	2,400	\$14,400
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20	410	\$8,200
10	Sidewalk	SF	\$5	2,290	\$11,450
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20	410	\$8,200
13	Utility Modifications/Adjustments	LS	\$10,000	1	\$10,000
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000	0.25	\$45,000
24	Communication System	LS		1	\$0
25	Street Light System	LS	\$15,000	1	\$15,000
26	Signing and Striping	LS	\$5,000	1	\$5,000
27	Traffic Control	LS	\$10,000	1	\$10,000
	Subtotal				\$177,815
	Construction Contingency (15%)				\$26,672
	Engineering (10%)				\$17,782
	Construction Management (15%)				\$26,672
	TOTAL ROADWAY				\$248,941
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

PLATINUM TRIANGLE
 Glassel/Collins
 Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	18" RCP	LF	\$140		\$0
3	24"RCP	LF	\$160		\$0
4	30"RCP	LF	\$175		\$0
5	36" RCP	LF	\$200		\$0
6	8' x 8' RCB	LF	\$800		\$0
7	10' X 10' RCB	LF	\$950		\$0
8	Drainage System Modifications	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (5%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS		1	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL WATER				\$0
	TOTAL CONSTRUCTION				\$248,941

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	S/W Corner	SF	\$75	1,200	\$90,000
	Subtotal				\$90,000
	Contingency (25%)				\$22,500
	Total R/W				\$112,500

GRAND TOTALS					\$361,441
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PLATINUM TRIANGLE PROJECT SHARE 19.10% \$69,035

BREAKDOWN

Engineering 19.10% \$3,396
 Right-of-Way 19.10% \$21,488
 Construction 19.10% \$44,151

PLATINUM TRIANGLE
Main/Struck
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$20,000	1	\$20,000
2	Clearing and Grubbing	LS	\$10,000	1	\$10,000
3	Remove Existing Curb & Gutter	LF	\$2	370	\$740
4	Remove Existing Sidewalk	SF	\$0.50		\$0
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	290	\$5,800
7	AC/AB	SF	\$6	1,920	\$11,520
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20	370	\$7,400
10	Sidewalk	SF	\$5		\$0
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20	370	\$7,400
13	Utility Modifications/Adjustments	LS	\$10,000	1	\$10,000
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000	0.25	\$45,000
24	Communication System	LS		1	\$0
25	Street Light System	LS	\$15,000	1	\$15,000
26	Signing and Striping	LS	\$5,000	1	\$5,000
27	Traffic Control	LS	\$10,000	1	\$10,000
	Subtotal				\$147,860
	Construction Contingency (15%)				\$22,179
	Engineering (10%)				\$14,786
	Construction Management (15%)				\$22,179
	TOTAL ROADWAY				\$207,004
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

PLATINUM TRIANGLE
 Glassel/Walnut
 Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
				A.ROADWAY IMPROVEMENTS	
1	Mobilization	LS	\$20,000	1	\$20,000
2	Clearing and Grubbing	LS	\$10,000	1	\$10,000
3	Remove Existing Curb & Gutter	LF	\$2	500	\$1,000
4	Remove Existing Sidewalk	SF	\$0.50	3,000	\$1,500
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20	450	\$9,000
7	AC/AB	SF	\$6	3,000	\$18,000
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20	500	\$10,000
10	Sidewalk	SF	\$5	3,000	\$15,000
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20	500	\$10,000
13	Utility Modifications/Adjustments	LS	\$10,000	1	\$10,000
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000	0.25	\$45,000
24	Communication System	LS			\$0
25	Street Light System	LS	\$15,000	1	\$15,000
26	Signing and Striping	LS	\$5,000	1	\$5,000
27	Traffic Control	LS	\$10,000	1	\$10,000
	Subtotal				\$179,500
	Construction Contingency (15%)				\$26,925
	Engineering (10%)				\$17,950
	Construction Management (15%)				\$26,925
	TOTAL ROADWAY				\$251,300
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

**PLATINUM TRIANGLE
Gassel/Walnut
Alternative 2**

Project 12

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity		Cost
				Quantity	Cost	
C.STORM DRAIN IMPROVEMENTS						
1	Mobilization	LS		1		\$0
2	18" RCP	LF	\$140			\$0
3	24"RCP	LF	\$160			\$0
4	30"RCP	LF	\$175			\$0
5	36" RCP	LF	\$200			\$0
6	8' x 8' RCB	LF	\$800			\$0
7	10' X 10' RCB	LF	\$950			\$0
8	Drainage System Modifications	LS		1		\$0
Subtotal						\$0
Construction Contingency (15%)						\$0
Engineering (10%)						\$0
Construction Management (15%)						\$0
TOTAL STORM DRAIN						\$0
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS		1		\$0
Subtotal						\$0
Construction Contingency (10%)						\$0
Engineering (5%)						\$0
Construction Management (15%)						\$0
TOTAL ELECTRICAL						\$0
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS		1		\$0
Subtotal						\$0
Construction Contingency (15%)						\$0
Engineering (10%)						\$0
Construction Management (15%)						\$0
TOTAL WATER						\$0
TOTAL CONSTRUCTION						\$251,300

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity		Cost
				Quantity	Cost	
1	S/E Corner	SF	\$75	1,620		\$121,500
2	S/W Corner	SF	\$75	840		\$63,000
3		SF	\$75			\$0
Subtotal						\$184,500
Contingency (25%)						\$46,125
Total R/W						\$230,625

GRAND TOTALS					\$481,925	
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PLATINUM TRIANGLE PROJECT SHARE 11.00% \$53,012

BREAKDOWN

Engineering	11.00%	\$1,975
Right-of-Way	11.00%	\$25,369
Construction	11.00%	\$25,669

PLATINUM TRIANGLE
Main/Taft
Alternative 2

Project 12

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS	\$20,000		\$0
2	Clearing and Grubbing	LS	\$10,000		\$0
3	Remove Existing Curb & Gutter	LF	\$2		\$0
4	Remove Existing Sidewalk	SF	\$0.50		\$0
5	Remove Existing Raised Median	SF	\$2.00		\$0
6	Excavation	CY	\$20		\$0
7	AC/AB	SF	\$6		\$0
8	Curb	LF	\$17		\$0
9	Curb and Gutter	LF	\$20		\$0
10	Sidewalk	SF	\$5		\$0
11	Roadway Grind & Overlay	SF	\$1.40		\$0
12	Off Site Improvements	LF	\$20		\$0
13	Utility Modifications/Adjustments	LS	\$10,000		\$0
14	Retaining Wall	SF	\$100		\$0
15	Date Palms (median)	EA	\$4,500		\$0
16	Date Palms (parkway)	EA	\$4,500		\$0
17	Median Groundcover	SF	\$3		\$0
18	Median Irrigation	SF	\$3		\$0
19	Parkway Groundcover	SF	\$3		\$0
20	Parkway Irrigation	SF	\$3		\$0
21	Bus Shelter w/street Furniture	EA	\$15,000		\$0
22	Palm Tree Uplighting	LS	\$225,000		\$0
23	Traffic Signal Modification	EA	\$180,000		\$0
24	Communication System	LS			\$0
25	Street Light System	LS			\$0
26	Signing and Striping	LS	\$10,000	1	\$10,000
27	Traffic Control	LS			\$0
	Subtotal				\$10,000
	Construction Contingency (15%)				\$1,500
	Engineering (10%)				\$1,000
	Construction Management (15%)				\$1,500
	TOTAL ROADWAY				\$14,000
B.SEWER IMPROVEMENTS					
1	Mobilization	LS		1	\$0
2	8" Sewer	LF	\$400		\$0
3	12" Sewer	LF	\$420		\$0
4	15" Sewer	LF	\$440		\$0
5	18" Sewer	LF	\$460		\$0
6	21" Sewer	LF	\$480		\$0
7	24" Sewer	LF	\$500		\$0
8	Sewer Manhole	EA	\$4,000		\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0

**PLATINUM TRIANGLE
IMPLEMENTATION PLAN**

**BACKBONE INFRASTRUCTURE
COST SUMMARY
UNFUNDED IMPROVEMENTS**

Project desig.	Street	Limits	Roadway	Sewer	Storm Drain	Electrical	Water	Other	Construction Total	R/W Total	TOTAL COST
A	Cerritos	State College to Douglass	\$2,793,910	\$0	\$6,307,000	\$2,541,000	\$0	\$0	\$11,641,910	\$1,957,031	\$13,598,941
Subtotal Cerritos			\$2,793,910	\$0	\$6,307,000	\$2,541,000	\$0	\$0	\$11,641,910	\$1,957,031	\$13,598,941
B	Lewis	Katella to Cerritos	\$2,067,912	\$0	\$1,636,600	\$1,260,000	\$0	\$0	\$4,964,512	\$0	\$4,964,512
Subtotal Lewis			\$2,067,912	\$0	\$1,636,600	\$1,260,000	\$0	\$0	\$4,964,512	\$0	\$4,964,512
C	Douglass	1,000' n/o Katella to Cerritos	\$495,145	\$532,000	\$0	\$350,000	\$0	\$0	\$1,377,145	\$0	\$1,377,145
Subtotal Douglass			\$495,145	\$532,000	\$0	\$350,000	\$0	\$0	\$1,377,145	\$0	\$1,377,145
D	Howell	State College to Katella	\$1,412,964	\$0	\$290,500	\$1,155,000	\$0	\$0	\$2,858,464	\$457,500	\$3,315,964
Subtotal Howell			\$1,412,964	\$0	\$290,500	\$1,155,000	\$0	\$0	\$2,858,464	\$457,500	\$3,315,964
E	Sunkist	Howell to Cerritos	\$1,105,160	\$0	\$0	\$0	\$0	\$0	\$1,105,160	\$0	\$1,105,160
Subtotal Sunkist			\$1,105,160	\$0	\$0	\$0	\$0	\$0	\$1,105,160	\$0	\$1,105,160
F		Major Storm Drain	\$0	\$0	\$3,321,500	\$0	\$0	\$0	\$3,321,500	\$0	\$3,321,500
Subtotal Major Storm Drain			\$0	\$0	\$3,321,500	\$0	\$0	\$0	\$3,321,500	\$0	\$3,321,500
CORE TOTALS			\$7,875,091	\$532,000	\$11,555,600	\$5,306,000	\$0	\$0	\$25,268,691	\$2,414,531	\$27,683,222

USE \$27.7M

PLATINUM TRIANGLE
CERRITOS AVENUE
from
State College to Douglass
Unfunded Project

PROJECT A

I.CONSTRUCTION		Total	
Item	Description	Quantity	Cost
A.ROADWAY IMPROVEMENTS			
1	Mobilization		\$95,000
2	Clearing and Grubbing		\$30,000
3	Remove Existing Curb & Gutter	1,150	\$2,300
4	Remove Existing Sidewalk	0	\$0
5	Remove Existing Raised Median	0	\$0
6	Excavation	5,100	\$102,000
7	AC/AB	4,600	\$27,600
8	Curb	0	\$0
9	Curb and Gutter	3,450	\$69,000
10	Sidewalk	49,000	\$196,000
11	Roadway Grind & Overlay	210,000	\$294,000
12	Off Site Improvements	3,500	\$70,000
13	Utility Modifications/Adjustments	1	\$25,000
14	Retaining Wall	0	\$0
15	Canopy Tree (parkway)	233	\$407,750
16	Parkway Groundcover	42,000	\$126,000
17	Parkway Irrigation	42,000	\$126,000
18	Traffic Signal Modification	1	\$180,000
19	Street Light System		\$175,000
20	Signing and Striping		\$30,000
21	Traffic Control		\$40,000
	Subtotal		\$1,995,650
	Construction Contingency (15%)		\$299,348
	Engineering (10%)		\$199,565
	Construction Management (15%)		\$299,348
	TOTAL ROADWAY		\$2,793,910
B.SEWER IMPROVEMENTS			
1	Mobilization		
2	8" Sewer	0	\$0
3	12" Sewer	0	\$0
4	15" Sewer	0	\$0
5	18" Sewer	0	\$0
6	21" Sewer	0	\$0
7	24" Sewer	0	\$0
8	Sewer Manhole	0	\$0
	Subtotal		\$0
	Construction Contingency (15%)		\$0
	Engineering (10%)		\$0
	Construction Management (15%)		\$0
	TOTAL SEWER		\$0
C.STORM DRAIN IMPROVEMENTS			
1	Mobilization		\$100,000
2	18" RCP	0	\$0
3	24" RCP	0	\$0
4	30" RCP	0	\$0
5	48" RCP	750	\$195,000
6	60" RCP	1,300	\$390,000
7	8' x 8' RCB	0	\$0
8	10' X 10' RCB	4,000	\$3,800,000
9	Drainage System Modifications		\$20,000
	Subtotal		\$4,505,000
	Construction Contingency (15%)		\$675,750
	Engineering (10%)		\$450,500
	Construction Management (15%)		\$675,750
	TOTAL STORM DRAIN		\$6,307,000

PLATINUM TRIANGLE
 CERRITOS AVENUE
 from
 State College to Douglass
 Unfunded Project

PROJECT A

I.CONSTRUCTION		Total	
Item	Description	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS			
1	Undergrounding Improvements		\$1,815,000
	Subtotal		\$1,815,000
	Construction Contingency (15%)		\$272,250
	Engineering (10%)		\$181,500
	Construction Management (15%)		\$272,250
	TOTAL ELECTRICAL		\$2,541,000
E.WATER IMPROVEMENTS			
1	Water Line Improvements		
	Subtotal		\$0
	Construction Contingency (15%)		\$0
	Engineering (10%)		\$0
	Construction Management (15%)		\$0
	TOTAL ELECTRICAL		\$0
TOTAL CONSTRUCTION			\$11,641,910

II. RIGHT OF WAY ACQUISITION		Total	
Item	Description	Quantity	Cost
1	AP#253-061-12	875	\$65,625
2	AP#253-061-20	1,900	\$142,500
3	AP#253-581-02	800	\$60,000
4	AP#253-581-03	425	\$31,875
5	AP#253-581-08	1,275	\$95,625
6	AP#253-581-15	1,175	\$88,125
7	AP#253-592-11	1,250	\$93,750
8	AP#253-592-12	475	\$35,625
9	State R/W	1,750	\$52,500
10	UPRR R/W	30,000	\$900,000
	Subtotal		\$1,565,625
	Contingency (25%)		\$391,406
	Total R/W		\$1,957,031

GRAND TOTALS	\$13,598,941
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PLATINUM TRIANGLE

LEWIS STREET
from
Katella to Cerritos
Unfunded Project

PROJECT B

I.CONSTRUCTION

Total

Item	Description	Unit	Unit Cost	Total	
				Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS			\$50,000
2	Clearing and Grubbing/Demo	LS			\$20,000
3	Remove Existing Curb & Gutter	LF	\$2	0	\$0
4	Remove Existing Sidewalk	SF	\$0.50	0	\$0
5	Remove Existing Raised Median	SF	\$2.00	0	\$0
6	Excavation	CY	\$20	2,560	\$51,200
7	AC/AB	SF	\$6	0	\$0
8	Curb	LF	\$17	0	\$0
9	Curb and Gutter	LF	\$20	0	\$0
10	Sidewalk	SF	\$5	23,000	\$115,000
11	Roadway Grind & Overlay	SF	\$1.40	151,200	\$211,680
12	Roadway Fill	CY	\$15	0	\$0
13	Utility Modifications/Adjustments	LS		0	\$0
14	Retaining Wall	SF	\$40	0	\$0
15	Fan Palm (parkway)	EA	\$2,700	192	\$518,400
16	Parkway Groundcover	SF	\$3	36,800	\$110,400
17	Parkway Irrigation	SF	\$3	36,800	\$110,400
18	Traffic Signal Modification	EA	\$180,000	0.5	\$90,000
19	Street Light System	LS			\$150,000
20	Signing and Striping	LS			\$20,000
21	Traffic Control	LS			\$30,000
	Subtotal				\$1,477,080
	Construction Contingency (15%)				\$221,562
	Engineering (10%)				\$147,708
	Construction Management (15%)				\$221,562
	TOTAL ROADWAY				\$2,067,912
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			\$50,000
2	8" Sewer	LF	\$400	0	\$0
3	12" Sewer	LF	\$420	0	\$0
4	15" Sewer	LF	\$440	0	\$0
5	18" Sewer	LF	\$460	0	\$0
6	21" Sewer	LF	\$480	0	\$0
7	24" Sewer	LF	\$500	0	\$0
8	Sewer Manhole	EA	\$4,000	0	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			\$50,000
2	18" RCP	LF	\$140	0	\$0
3	36" RCP	LF	\$200	900	\$180,000
4	48" RCP	LF	\$260	1,050	\$273,000
5	66" RCP	LF	\$340	400	\$136,000
6	72" RCP	LF	\$400	1,200	\$480,000
7	8' x 8' RCB	LF	\$800	0	\$0
8	10' X 10' RCB	LF	\$950	0	\$0
9	Drainage System Modifications	LS			\$50,000
	Subtotal				\$1,169,000
	Construction Contingency (15%)				\$175,350
	Engineering (10%)				\$116,900
	Construction Management (15%)				\$175,350
	TOTAL STORM DRAIN				\$1,636,600

PLATINUM TRIANGLE
LEWIS STREET
from
Katella to Cerritos
Unfunded Project

PROJECT B

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS				\$900,000
	Subtotal					\$900,000
	Construction Contingency (15%)					\$135,000
	Engineering (10%)					\$90,000
	Construction Management (15%)					\$135,000
	TOTAL ELECTRICAL					\$1,260,000
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS				\$0
	Subtotal					\$0
	Construction Contingency (15%)					\$0
	Engineering (10%)					\$0
	Construction Management (15%)					\$0
	TOTAL ELECTRICAL					\$0
TOTAL CONSTRUCTION						\$4,964,512

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1		SF	\$45	0		\$0
2		SF	\$45	0		\$0
3		SF	\$70	0		\$0
	Subtotal					\$0
	Contingency (25%)					\$0
	Total R/W					\$0

GRAND TOTALS						\$4,964,512
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PLATINUM TRIANGLE
DOUGLASS ROAD
from
1,000' n/o Katella to Cerritos
Unfunded Project

PROJECT C

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
A.ROADWAY IMPROVEMENTS						
1	Mobilization	LS			\$35,000	
2	Clearing and Grubbing/Demo	LS			\$15,000	
3	Remove Existing Curb & Gutter	LF	\$2	450	\$900	
4	Remove Existing Sidewalk	SF	\$0.50	2,350	\$1,175	
5	Remove Existing Raised Median	SF	\$2.00	0	\$0	
6	Excavation	CY	\$20	695	\$13,900	
7	AC/AB	SF	\$6	550	\$3,300	
8	Curb	LF	\$17	0	\$0	
9	Curb and Gutter	LF	\$20	0	\$0	
10	Sidewalk	SF	\$5	0	\$0	
11	Roadway Grind & Overlay	SF	\$1	57,000	\$79,800	
12	Roadway Fill	CY	\$15	0	\$0	
13	Utility Modifications/Adjustments	LS		0	\$0	
14	Retaining Wall	SF	\$40	0	\$0	
15	Fan Palms (parkway)	EA	\$2,700	28	\$75,600	
16	Parkway Groundcover	SF	\$3	6,500	\$19,500	
17	Parkway Irrigation	SF	\$3	6,500	\$19,500	
18	Traffic Signal Modification	EA	\$180,000	0	\$0	
19	Street Light System	LS			\$60,000	
20	Signing and Striping	LS			\$10,000	
21	Traffic Control	LS			\$20,000	
	Subtotal				\$353,675	
	Construction Contingency (15%)				\$53,051	
	Engineering (10%)				\$35,368	
	Construction Management (15%)				\$53,051	
	TOTAL ROADWAY				\$495,145	
B.SEWER IMPROVEMENTS						
1	Mobilization	LS			\$20,000	
2	8" Sewer	LF	\$400	0	\$0	
3	12" Sewer	LF	\$420	800	\$336,000	
4	15" Sewer	LF	\$440	0	\$0	
5	18" Sewer	LF	\$460	0	\$0	
6	21" Sewer	LF	\$480	0	\$0	
7	24" Sewer	LF	\$500	0	\$0	
8	Sewer Manhole	EA	\$4,000	6	\$24,000	
	Subtotal				\$380,000	
	Construction Contingency (15%)				\$57,000	
	Engineering (10%)				\$38,000	
	Construction Management (15%)				\$57,000	
	TOTAL SEWER				\$532,000	
C.STORM DRAIN IMPROVEMENTS						
1	Mobilization	LS			\$0	
2	18" RCP	LF	\$140	0	\$0	
3	24" RCP	LF	\$160	0	\$0	
4	48" RCP	LF	\$260	0	\$0	
5	54" RCP	LF	\$270	0	\$0	
6	72" RCP	LF	\$400	0	\$0	
7	8' x 8' RCB	LF	\$800	0	\$0	
8	10' X 10' RCB	LF	\$950	0	\$0	
9	Drainage System Modifications	LS			\$0	
	Subtotal				\$0	
	Construction Contingency (15%)				\$0	
	Engineering (10%)				\$0	
	Construction Management (15%)				\$0	
	TOTAL STORM DRAIN				\$0	

PLATINUM TRIANGLE
DOUGLASS ROAD
from
1,000' n/o Katella to Cerritos
Unfunded Project

PROJECT C

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS			\$250,000
	Subtotal				\$250,000
	Construction Contingency (15%)				\$37,500
	Engineering (10%)				\$25,000
	Construction Management (15%)				\$37,500
	TOTAL ELECTRICAL				\$350,000
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
TOTAL CONSTRUCTION					\$1,377,145

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1	AP#253-521-16	SF	\$75	0	\$0
2	AP#253-601-02	SF	\$75	0	\$0
	Subtotal				\$0
	Contingency (25%)				\$0
	Total R/W				\$0

GRAND TOTALS					\$1,377,145
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PLATINUM TRIANGLE
HOWELL AVENUE
 from
State College to Katella
Unfunded Project

PROJECT D

I.CONSTRUCTION

Total

Item	Description	Unit	Unit Cost	Total	
				Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS			\$35,000
2	Clearing and Grubbing/Demo	LS			\$15,000
3	Remove Existing Curb & Gutter	LF	\$2	1,160	\$2,320
4	Remove Existing Sidewalk	SF	\$0.50	12,480	\$6,240
5	Remove Existing Raised Median	SF	\$2.00	0	\$0
6	Excavation	CY	\$20	3,390	\$67,800
7	AC/AB	SF	\$6	5,700	\$34,200
8	Curb	LF	\$17	0	\$0
9	Curb and Gutter	LF	\$20	1,160	\$23,200
10	Sidewalk	SF	\$5	32,860	\$164,300
11	Roadway Grind & Overlay	SF	\$1.40	90,000	\$126,000
12	Roadway Fill	CY	\$15	0	\$0
13	Utility Modifications/Adjustments	LS		0	\$0
14	Retaining Wall	SF	\$40	0	\$0
15	Canopy Tree (parkway)	EA	\$1,750	144	\$252,000
16	Parkway Groundcover	SF	\$3	22,200	\$66,600
17	Parkway Irrigation	SF	\$3	22,200	\$66,600
18	Traffic Signal Modification	EA	\$180,000	0	\$0
19	Street Light System	LS			\$100,000
20	Signing and Striping	LS			\$20,000
21	Traffic Control	LS			\$30,000
	Subtotal				\$1,009,260
	Construction Contingency (15%)				\$151,389
	Engineering (10%)				\$100,926
	Construction Management (15%)				\$151,389
	TOTAL ROADWAY				\$1,412,964
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			\$0
2	8" Sewer	LF	\$400	0	\$0
3	12" Sewer	LF	\$420	0	\$0
4	15" Sewer	LF	\$440	0	\$0
5	18" Sewer	LF	\$460	0	\$0
6	21" Sewer	LF	\$480	0	\$0
7	24" Sewer	LF	\$500	0	\$0
8	Sewer Manhole	EA	\$4,000	0	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			\$15,000
2	18" RCP	LF	\$140	0	\$0
3	24" RCP	LF	\$160	0	\$0
4	42" RCP	LF	\$230	750	\$172,500
5	54" RCP	LF	\$270	0	\$0
6	72" RCP	LF	\$400	0	\$0
7	8' x 8' RCB	LF	\$800	0	\$0
8	10' X 10' RCB	LF	\$950	0	\$0
9	Drainage System Modifications	LS			\$20,000
	Subtotal				\$207,500
	Construction Contingency (15%)				\$31,125
	Engineering (10%)				\$20,750
	Construction Management (15%)				\$31,125
	TOTAL STORM DRAIN				\$290,500

PLATINUM TRIANGLE
HOWELL AVENUE
from
State College to Katella
Unfunded Project

PROJECT D

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
D.ELECTRICAL IMPROVEMENTS						
1	Undergrounding Improvements	LS			\$825,000	
	Subtotal				\$825,000	
	Construction Contingency (15%)				\$123,750	
	Engineering (10%)				\$82,500	
	Construction Management (15%)				\$123,750	
	TOTAL ELECTRICAL				\$1,155,000	
E.WATER IMPROVEMENTS						
1	Water Line Improvements	LS			\$0	
	Subtotal				\$0	
	Construction Contingency (15%)				\$0	
	Engineering (10%)				\$0	
	Construction Management (15%)				\$0	
	TOTAL ELECTRICAL				\$0	
TOTAL CONSTRUCTION					\$2,858,464	

II. RIGHT OF WAY ACQUISITION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
1	AP#253-061-05	SF	\$75	1,500	\$112,500	
2	AP#253-061-06	SF	\$75	1,400	\$105,000	
3	AP#253-061-22	SF	\$75	240	\$18,000	
4	AP#253-531-06	SF	\$75	300	\$22,500	
5	AP#253-531-07	SF	\$75	1,440	\$108,000	
	Subtotal				\$366,000	
	Contingency (25%)				\$91,500	
	Total R/W				\$457,500	

GRAND TOTALS					\$3,315,964	
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PLATINUM TRIANGLE
SUNKIST STREET
from
Howell to Cerritos
Unfunded Project

PROJECT E

I.CONSTRUCTION

Total

Item	Description	Unit	Unit Cost	Total	
				Quantity	Cost
A.ROADWAY IMPROVEMENTS					
1	Mobilization	LS			\$35,000
2	Clearing and Grubbing/Demo	LS			\$15,000
3	Remove Existing Curb & Gutter	LF	\$2	0	\$0
4	Remove Existing Sidewalk	SF	\$0.50	0	\$0
5	Remove Existing Raised Median	SF	\$2.00	0	\$0
6	Excavation	CY	\$20	2,310	\$46,200
7	AC/AB	SF	\$6	0	\$0
8	Curb	LF	\$17	0	\$0
9	Curb and Gutter	LF	\$20	0	\$0
10	Sidewalk	SF	\$5	22,400	\$112,000
11	Roadway Grind & Overlay	SF	\$1.40	90,000	\$126,000
12	Roadway Fill	CY	\$15	0	\$0
13	Utility Modifications/Adjustments	LS		0	\$0
14	Retaining Wall	SF	\$40	0	\$0
15	Canopy Tree (parkway)	EA	\$1,750	120	\$210,000
16	Parkway Groundcover	SF	\$3	19,200	\$57,600
17	Parkway Irrigation	SF	\$3	19,200	\$57,600
18	Traffic Signal Modification	EA	\$180,000	0	\$0
19	Street Light System	LS			\$100,000
20	Signing and Striping	LS			\$20,000
21	Traffic Control	LS			\$10,000
	Subtotal				\$789,400
	Construction Contingency (15%)				\$118,410
	Engineering (10%)				\$78,940
	Construction Management (15%)				\$118,410
	TOTAL ROADWAY				\$1,105,160
B.SEWER IMPROVEMENTS					
1	Mobilization	LS			
2	8" Sewer	LF	\$400	0	\$0
3	12" Sewer	LF	\$420	0	\$0
4	15" Sewer	LF	\$440	0	\$0
5	18" Sewer	LF	\$460	0	\$0
6	21" Sewer	LF	\$480	0	\$0
7	24" Sewer	LF	\$500	0	\$0
8	Sewer Manhole	EA	\$4,000	0	\$0
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL SEWER				\$0
C.STORM DRAIN IMPROVEMENTS					
1	Mobilization	LS			
2	18" RCP	LF	\$140	0	\$0
3	24" RCP	LF	\$160	0	\$0
4	42" RCP	LF	\$230	0	\$0
5	54" RCP	LF	\$270	0	\$0
6	72" RCP	LF	\$400	0	\$0
7	8' x 8' RCB	LF	\$800	0	\$0
8	10' X 10' RCB	LF	\$950	0	\$0
9	Drainage System Modifications	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL STORM DRAIN				\$0

PLATINUM TRIANGLE
 SUNKIST STREET
 from
 Howell to Cerritos
 Unfunded Project

PROJECT E

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
E.WATER IMPROVEMENTS					
1	Water Line Improvements	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
TOTAL CONSTRUCTION					\$1,105,160

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1		SF	\$75	0	\$0
2		SF	\$75	0	\$0
3		SF	\$75	0	\$0
	Subtotal				\$0
	Contingency (25%)				\$0
	Total R/W				\$0
GRAND TOTALS					\$1,105,160

PLATINUM TRIANGLE
 MAJOR STORM DRAIN
 Unfunded Project

PROJECT F

I.CONSTRUCTION					Total	
Item	Description	Unit	Unit Cost	Quantity	Cost	
A.ROADWAY IMPROVEMENTS						
1	Mobilization	LS				\$0
2	Clearing and Grubbing	LS				\$0
3	Remove Existing Curb & Gutter	LF	\$2	0		\$0
4	Remove Existing Sidewalk	SF	\$0.50	0		\$0
5	Remove Existing Raised Median	SF	\$2.00	0		\$0
6	Excavation	CY	\$20	0		\$0
7	AC/AB	SF	\$6	0		\$0
8	Curb	LF	\$17	0		\$0
9	Curb and Gutter	LF	\$20	0		\$0
10	Sidewalk	SF	\$4	0		\$0
12	Off Site Improvements	LF	\$20	0		\$0
13	Utility Modifications/Adjustments	LS		0		\$0
14	Retaining Wall	SF	\$40	0		\$0
15	Median Landscape/Irrigation	SF	\$8	0		\$0
16	Parkway Landscape/Irrigation	SF	\$8	0		\$0
17	Traffic Signal Modification	EA	\$150,000	0		\$0
18	Street Light System	LS				\$0
19	Signing and Striping	LS				\$0
20	Traffic Control	LS				\$0
	Subtotal					\$0
	Construction Contingency (15%)					\$0
	Engineering (10%)					\$0
	Construction Management (15%)					\$0
	TOTAL ROADWAY					\$0
B.SEWER IMPROVEMENTS						
1	Mobilization	LS				\$0
2	8" Sewer	LF	\$400	0		\$0
3	12" Sewer	LF	\$420	0		\$0
4	15" Sewer	LF	\$440	0		\$0
5	18" Sewer	LF	\$460	0		\$0
6	21" Sewer	LF	\$480	0		\$0
7	24" Sewer	LF	\$500	0		\$0
8	Sewer Manhole	EA	\$4,000	0		\$0
	Subtotal					\$0
	Construction Contingency (15%)					\$0
	Engineering (10%)					\$0
	Construction Management (15%)					\$0
	TOTAL SEWER					\$0
C.STORM DRAIN IMPROVEMENTS						
1	Mobilization	LS				\$100,000
2	18" RCP	LF	\$140	0		\$0
3	24" RCP	LF	\$160	0		\$0
4	30" RCP	LF	\$175	0		\$0
5	42" RCP	LF	\$230	750		\$172,500
6	57" RCP	LF	\$285	0		\$0
7	8' x 8' RCB	LF	\$800	0		\$0
8	10' X 10' RCB	LF	\$950	2,000		\$1,900,000
9	Drainage System Modifications	LS				\$200,000
	Subtotal					\$2,372,500
	Construction Contingency (15%)					\$355,875
	Engineering (10%)					\$237,250
	Construction Management (15%)					\$355,875
	TOTAL STORM DRAIN					\$3,321,500

PLATINUM TRIANGLE
 MAJOR STORM DRAIN
 Unfunded Project

PROJECT F

I.CONSTRUCTION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
D.ELECTRICAL IMPROVEMENTS					
1	Undergrounding Improvements	LS			
	Subtotal				\$0
	Construction Contingency (15%)				\$0
	Engineering (10%)				\$0
	Construction Management (15%)				\$0
	TOTAL ELECTRICAL				\$0
E.STATION IMPROVEMENTS					
1	New Station Construction/Equipment	LS			\$0
	Subtotal				\$0
	Construction Contingency (10%)				\$0
	Engineering (10%)				\$0
	Construction Management (12%)				\$0
	TOTAL STATION				\$0
	TOTAL CONSTRUCTION				\$3,321,500

II. RIGHT OF WAY ACQUISITION				Total	
Item	Description	Unit	Unit Cost	Quantity	Cost
1		LS		0	\$0
2				0	\$0
	Subtotal				\$0
	Contingency (25%)				\$0
	Total R/W				\$0

GRAND TOTALS					\$3,321,500
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