

APPENDIX 3: COST ESTIMATES





CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Bemiss - BE2
DESCRIPTION: Market Street/Illinois Avenue Radar Speed Feedback Sign

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 4,100	\$ 4,100
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,800	\$ 1,800
3			DRIVER FEEDBACK SIGN SYSTEM	1	EA	\$ 25,500	\$ 25,500
SUBTOTAL							\$ 31,400
CONTINGENCY				40%			\$ 12,560
CONSTRUCTION TOTAL (ROUNDED)							\$ 44,000
PROJECT MANAGEMENT				15%			\$ 6,600
DESIGN				25%			\$ 11,000
CONSTRUCTION MANAGEMENT				20%			\$ 8,800
SUBTOTAL							\$ 26,400
GRAND TOTAL (ROUNDED)							\$ 70,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Bemiss - BE3
DESCRIPTION: Wellesley Avenue and Crestline Street Traffic Signal Head Change

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

1.) Replace eight (8) existing "Doghouse" Style Traffic Signals with Four-Section Flashing Yellow Arrow Traffic Signals.

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 7,100	\$ 7,100
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,300	\$ 2,300
3			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY - MEDIAN	67	SY	\$ 85	\$ 5,695
4			ROADWAY EXCAVATION INCL. HAUL	15	CY	\$ 45	\$ 667
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	89	SY	\$ 75	\$ 6,667
6			TRAFFIC SIGNAL SYSTEM RETROFIT	1	LS	\$ 15,000	\$ 15,000
7			TRAFFIC ISLAND CEMENT CONCRETE CURB	200	LF	\$ 85	\$ 17,000
SUBTOTAL							\$ 54,428
CONTINGENCY				40%			\$ 21,780
CONSTRUCTION TOTAL (ROUNDED)							\$ 76,000
PROJECT MANAGEMENT				15%			\$ 11,400
DESIGN				25%			\$ 19,000
CONSTRUCTION MANAGEMENT				20%			\$ 15,200
SUBTOTAL							\$ 45,600
GRAND TOTAL (ROUNDED)							\$ 122,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Bemiss - BE4b
DESCRIPTION: Euclid Avenue Road Diet from Crestline Street to Market Street

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 23,613	\$ 23,613
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 11,020	\$ 11,020
3			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY - MEDIAN	48	SY	\$ 85	\$ 4,080
4			REMOVAL OF EXISTING PAVEMENT MARKINGS	3,464	SF	\$ 5	\$ 17,318
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	9,068	SF	\$ 15	\$ 136,025
6			TRAFFIC ISLAND CONCRETE	28	SY	\$ 650	\$ 18,200
7			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,500	\$ 1,500
SUBTOTAL							\$ 192,056
CONTINGENCY				40%			\$ 76,830
CONSTRUCTION TOTAL (ROUNDED)							\$ 269,000
PROJECT MANAGEMENT				15%			\$ 40,350
DESIGN				25%			\$ 67,250
CONSTRUCTION MANAGEMENT				20%			\$ 53,800
SUBTOTAL							\$ 161,400
GRAND TOTAL (ROUNDED)							\$ 430,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Bemiss - BES1
DESCRIPTION: Rich Avenue and Regal Street

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 3,896	\$ 3,896
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,922	\$ 2,922
3			ROADWAY EXCAVATION INCLUDING HAUL	4	CY	\$ 35	\$ 130
4			TRAFFIC CIRCLE COLORED CONCRETE	9	SY	\$ 250	\$ 2,250
5			TRAFFIC CIRCLE CEMENT CONCRETE CURB	53	LF	\$ 85	\$ 4,505
6			TRAFFIC ISLAND CONCRETE	14	SY	\$ 150	\$ 2,042
7			TOPSOIL TYPE A, 2 INCH THICK	9	SY	\$ 12	\$ 107
8			HYDROSEEDING	9	SY	\$ 20	\$ 178
9			SOD INSTALLATION	9	SY	\$ 30	\$ 267
10			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 10,000	\$ 10,000
SUBTOTAL							\$ 26,296
CONTINGENCY				40%			\$ 10,520
CONSTRUCTION TOTAL (ROUNDED)							\$ 37,000
PROJECT MANAGEMENT				15%			\$ 5,550
DESIGN				25%			\$ 9,250
CONSTRUCTION MANAGEMENT				20%			\$ 7,400
SUBTOTAL							\$ 22,200
GRAND TOTAL (ROUNDED)							\$ 59,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Bemiss - BE4a
DESCRIPTION: Illinois Avenue and Crestline Street Additional Crosswalk Signage

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:
1.) Install proposed crosswalk signage for both directions of traffic.

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Includes rows for various construction items like Mobilization, Traffic Control, Signage, Excavation, Pavement Repair, Catch Basins, Manholes, Clearing, and Sidewalks, ending with a Grand Total of \$182,000.



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Chief Garry Park - CGP7a
DESCRIPTION: Stevens Elementary from Madelia Street to Napa Street

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 20,700	\$ 20,700
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 13,500	\$ 13,500
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	394	SY	\$ 15	\$ 5,912
5			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	7	EA	\$ 1,200	\$ 8,400
6			MANHOLE	4	EA	\$ 5,000	\$ 20,000
7			SPOKANE COUNTY CURB INLET TYPE 2	3	EA	\$ 2,000	\$ 6,000
8			CEMENT CONCRETE CURB AND GUTTER	733	LF	\$ 70	\$ 51,279
9			CEMENT CONCRETE SIDEWALK	717	SY	\$ 120	\$ 86,030
10			ROADWAY EXCAVATION INCL. HAUL	33	CY	\$ 35	\$ 1,158
11			PAVEMENT MARKING - DURABLE HEAT APPLIED	653	SF	\$ 12	\$ 7,840
SUBTOTAL							\$ 226,819
CONTINGENCY				40%			\$ 90,730
CONSTRUCTION TOTAL (ROUNDED)							\$ 318,000
PROJECT MANAGEMENT				15%			\$ 47,700
DESIGN				25%			\$ 79,500
CONSTRUCTION MANAGEMENT				20%			\$ 63,600
SUBTOTAL							\$ 190,800
GRAND TOTAL (ROUNDED)							\$ 509,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Chief Garry Park - CGP6b
DESCRIPTION: Mission Avenue near Chief Garry Park

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 3,900	\$ 3,900
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,600	\$ 2,600
3			DRIVER FEEDBACK SIGN SYSTEM NEAR MISSION PARK	2	EA	\$ 18,000	\$ 36,000
SUBTOTAL							\$ 42,500
CONTINGENCY				40%			\$ 17,000
CONSTRUCTION TOTAL (ROUNDED)							\$ 60,000
PROJECT MANAGEMENT				15%			\$ 9,000
DESIGN				25%			\$ 15,000
CONSTRUCTION MANAGEMENT				20%			\$ 12,000
SUBTOTAL							\$ 36,000
GRAND TOTAL (ROUNDED)							\$ 96,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Chief Garry Park - CGP4
DESCRIPTION: Marshall Avenue and Zappone Place

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 12,200	\$ 12,200
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 8,000	\$ 8,000
3			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	179	SY	\$ 15	\$ 2,687
5			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	5	EA	\$ 1,200	\$ 6,000
6			MANHOLE	2	EA	\$ 5,000	\$ 10,000
7			SPOKANE COUNTY CURB INLET TYPE 2	3	EA	\$ 2,000	\$ 6,000
8			HYDRANT ASSEMBLY	1	EA	\$ 9,000	\$ 9,000
9			CEMENT CONCRETE CURB AND GUTTER	266	LF	\$ 70	\$ 18,650
10			CEMENT CONCRETE DRIVEWAY	14	SY	\$ 200	\$ 2,822
11			CEMENT CONCRETE SIDEWALK	343	SY	\$ 160	\$ 54,827
12			ROADWAY EXCAVATION INCL. HAUL	26	CY	\$ 35	\$ 921
SUBTOTAL							\$ 134,107
CONTINGENCY				40%			\$ 53,650
CONSTRUCTION TOTAL (ROUNDED)							\$ 188,000
PROJECT MANAGEMENT				15%			\$ 28,200
DESIGN				25%			\$ 47,000
CONSTRUCTION MANAGEMENT				20%			\$ 37,600
SUBTOTAL							\$ 112,800
GRAND TOTAL (ROUNDED)							\$ 301,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Chief Garry Park - CGP2
DESCRIPTION: Mission Avenue and Marshall Avenue

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

- 1.) Install proposed HAWK stop bar signage for both directions of traffic.
1.) Install two (2) pedestrian hybrid beacon systems at intersection.

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Rows include items like MOBILIZATION, PROJECT TEMPORARY TRAFFIC CONTROL, REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY, CEMENT CONCRETE CURB AND GUTTER, CEMENT CONCRETE SIDEWALK, PAVEMENT MARKING - DURABLE HEAT APPLIED, SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS, PEDESTRIAN HYBRID BEACON SYSTEM, and summary rows for SUBTOTAL, CONTINGENCY, CONSTRUCTION TOTAL (ROUNDED), and GRAND TOTAL (ROUNDED).



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: East Central - EC1
DESCRIPTION: 9th Avenue from Helena Street to Pittsburg Street

BY: MAF
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 11,100	\$ 11,100
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 5,300	\$ 5,300
3			CATCH BASIN DI SEWER PIPE 8IN. DIA.	75	LF	\$ 140	\$ 10,500
4			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000
5			ROADWAY EXCAVATION INCL. HAUL	89	CY	\$ 35	\$ 3,115
6			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	40	SY	\$ 75	\$ 3,000
7			CATCH BASIN TYPE 1	2	EA	\$ 3,850	\$ 7,700
8			ABANDON EXISTING MANHOLE, CATCH BASIN OR DRYWELL	2	EA	\$ 895	\$ 1,790
9			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
10			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	108	SY	\$ 15	\$ 1,626
11			ROADWAY EXCAVATION INCL. HAUL	13	CY	\$ 35	\$ 467
12			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 3,000	\$ 3,000
13			CEMENT CONCRETE CURB AND GUTTER	232	LF	\$ 70	\$ 16,242
14			CEMENT CONCRETE SIDEWALK	302	SY	\$ 160	\$ 48,279
SUBTOTAL							\$ 121,119
CONTINGENCY				40%			\$ 48,450
CONSTRUCTION TOTAL (ROUNDED)							\$ 170,000
PROJECT MANAGEMENT				15%			\$ 25,500
DESIGN				25%			\$ 42,500
CONSTRUCTION MANAGEMENT				20%			\$ 34,000
SUBTOTAL							\$ 102,000
GRAND TOTAL (ROUNDED)							\$ 272,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: East Central - EC2
DESCRIPTION: Grant Elementary

BY: MAF
CHECKED BY:
DATE:

- ASSUMPTIONS:**
- 1.) Install two (2) proposed school zone speed signs.
 - 1.) Relocate existing school zone speed sign.

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 1,000	\$ 1,000
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,000	\$ 1,000
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,000	\$ 2,000
SUBTOTAL							\$ 4,000
CONTINGENCY				40%			\$ 1,600
CONSTRUCTION TOTAL (ROUNDED)							\$ 6,000
PROJECT MANAGEMENT				15%			\$ 900
DESIGN				25%			\$ 1,500
CONSTRUCTION MANAGEMENT				20%			\$ 1,200
SUBTOTAL							\$ 3,600
GRAND TOTAL (ROUNDED)							\$ 10,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: East Central - ECS1
DESCRIPTION: Rebecca Street from 4th Avenue to 5th Avenue

BY: MAF
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:
1.) Install proposed closure signage at the intersections.

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 1,100	\$ 1,100
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 700	\$ 700
3			TYPE III BARRICADES AND SIGNS	6	EA	\$ 1,050	\$ 6,300
4			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS	1	LS	\$ 3,200	\$ 3,200
SUBTOTAL							\$ 11,300
CONTINGENCY				40%			\$ 4,520
CONSTRUCTION TOTAL (ROUNDED)							\$ 16,000
PROJECT MANAGEMENT				15%			\$ 2,400
DESIGN				25%			\$ 4,000
CONSTRUCTION MANAGEMENT				20%			\$ 3,200
SUBTOTAL							\$ 9,600
GRAND TOTAL (ROUNDED)							\$ 26,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Hillyard - HY1c
DESCRIPTION: Haven Street near Rockwell Avenue

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Rows include items like MOBILIZATION, PROJECT TEMPORARY TRAFFIC CONTROL, CLEARING AND GRUBBING, PAVEMENT MARKING, HMA FOR PAVEMENT REPAIR, CEMENT CONCRETE SIDEWALK, etc. Includes subtotals for construction total, management fees, and grand total.



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Hillyard - HYS1
DESCRIPTION: Bruce Avenue from Crestline Street to Lee Street

BY: MAF
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 14,400	\$ 14,400	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 9,400	\$ 9,400	
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000	
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	90	SY	\$ 15	\$ 1,344	
5			ROADWAY EXCAVATION INCL. HAUL	26	CY	\$ 35	\$ 910	
6			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	5	SY	\$ 75	\$ 375	
7			CATCH BASIN DI SEWER PIPE 8IN. DIA.	150	LF	\$ 140	\$ 21,000	
8			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500	
9			CATCH BASIN TYPE 3	1	EA	\$ 4,000	\$ 4,000	
10			ABANDON EXISTING MANHOLE, CATCH BASIN OR DRYWELL	1	EA	\$ 895	\$ 895	
11			MANHOLE - 48 IN.	1	EA	\$ 4,778	\$ 4,778	
12			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400	
13			CEMENT CONCRETE CURB AND GUTTER	117	LF	\$ 70	\$ 8,203	
14			CEMENT CONCRETE SIDEWALK	67	SY	\$ 160	\$ 10,707	
15			CEMENT CONCRETE DRIVEWAY	113	SY	\$ 200	\$ 22,556	
16			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS	1	LS	\$ 3,300	\$ 3,300	
17			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000	
18			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 40,000	\$ 40,000	
19			PAVEMENT MARKING - DURABLE HEAT APPLIED	163	SF	\$ 12	\$ 1,960	
							SUBTOTAL	\$ 157,728
CONTINGENCY				40%			\$ 63,100	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 221,000
ROW ACQUISITION				1	LS	\$ 57,000	\$ 57,000	
PROJECT MANAGEMENT				15%			\$ 33,150	
DESIGN				25%			\$ 55,250	
CONSTRUCTION MANAGEMENT				20%			\$ 44,200	
							SUBTOTAL	\$ 189,600
							GRAND TOTAL (ROUNDED)	\$ 411,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Hillyard - HY1b
DESCRIPTION: Haven Street from Wellesley Avenue to Nebraska Avenue

BY: MAF
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 18,700	\$ 18,700	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 12,300	\$ 12,300	
3			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000	
4			REMOVAL OF STRUCTURE AND OBSTRUCTION	1	LS	\$ 50,000	\$ 50,000	
5			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	167	SY	\$ 15	\$ 2,498	
6			ROADWAY EXCAVATION INCL. HAUL	15	CY	\$ 35	\$ 519	
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	63	SY	\$ 75	\$ 4,742	
8			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	4	EA	\$ 1,200	\$ 4,800	
9			SPOKANE COUNTY CURB INLET TYPE 2	2	EA	\$ 2,000	\$ 4,000	
10			CATCH BASIN DI SEWER PIPE 8IN. DIA.	40	LF	\$ 140	\$ 5,600	
11			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000	
12			HYDRANT ASSEMBLY	1	EA	\$ 9,000	\$ 9,000	
13			CEMENT CONCRETE CURB AND GUTTER	249	LF	\$ 70	\$ 17,430	
14			CEMENT CONCRETE SIDEWALK	290	SY	\$ 160	\$ 46,364	
15			CURB RAMPS	17	SY	\$ 180	\$ 3,120	
16			LIGHT POLE INSTALLATION	1	LS	\$ 4,000	\$ 4,000	
17			REMOVAL OF EXISTING PAVEMENT MARKINGS	464	SF	\$ 4	\$ 1,857	
18			PAVEMENT MARKING - DURABLE HEAT APPLIED	1,229	SF	\$ 12	\$ 14,748	
							SUBTOTAL	\$ 205,679
CONTINGENCY				40%			\$ 82,280	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 288,000
PROJECT MANAGEMENT				15%			\$ 43,200	
DESIGN				25%			\$ 72,000	
CONSTRUCTION MANAGEMENT				20%			\$ 57,600	
							SUBTOTAL	\$ 172,800
							GRAND TOTAL (ROUNDED)	\$ 461,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Logan - LG1
 DESCRIPTION: Marietta Avenue from Columbus Street to Perry Street

BY: MAF
 CHECKED BY: _____
 DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 26,700	\$ 26,700	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 17,500	\$ 17,500	
3			CLEARING AND GRUBBING	1	LS	\$ 9,000	\$ 9,000	
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	160	SF	\$ 12	\$ 1,920	
5			REMOVAL OF EXISTING PAVEMENT MARKINGS	75	SF	\$ 4	\$ 300	
6			CEMENT CONCRETE CURB AND GUTTER	726	LF	\$ 70	\$ 50,807	
7			CEMENT CONCRETE SIDEWALK	874	SY	\$ 120	\$ 104,940	
8			CURB RAMPS	47	SY	\$ 180	\$ 8,382	
9			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	130	SY	\$ 75	\$ 9,715	
10			CATCH BASIN DI SEWER PIPE 8IN. DIA.	55	LF	\$ 140	\$ 7,700	
11			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500	
12			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500	
13			CEMENT CONCRETE DRIVEWAY	185	SY	\$ 200	\$ 36,978	
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	216	SY	\$ 15	\$ 3,240	
15			REMOVE TREE, CLASS II	3	EA	\$ 2,000	\$ 6,000	
16			2 INCH CALIPER DECIDUOUS TREE	3	EA	\$ 775	\$ 2,325	
17			ROADWAY EXCAVATION INCL. HAUL	42	CY	\$ 35	\$ 1,478	
18			TOPSOIL TYPE A, 2 INCH THICK	29	SY	\$ 12	\$ 351	
19			HYDROSEEDING	29	SY	\$ 20	\$ 585	
							SUBTOTAL	\$ 293,336
CONTINGENCY				40%			\$ 117,340	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 411,000
PROJECT MANAGEMENT				15%			\$ 61,650	
DESIGN				25%			\$ 102,750	
CONSTRUCTION MANAGEMENT				20%			\$ 82,200	
							SUBTOTAL	\$ 246,600
							GRAND TOTAL (ROUNDED)	\$ 658,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Logan - LGS1
DESCRIPTION: Hamilton Street and Marietta Avenue from Hamilton Street to Columbus Street

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 18,100	\$ 18,100
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 11,900	\$ 11,900
3			CLEARING AND GRUBBING	1	LS	\$ 9,000	\$ 9,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	67	SF	\$ 12	\$ 800
5			REMOVAL OF EXISTING PAVEMENT MARKINGS	75	SF	\$ 4	\$ 300
6			CEMENT CONCRETE CURB AND GUTTER	734	LF	\$ 70	\$ 51,380
7			CEMENT CONCRETE SIDEWALK	421	SY	\$ 160	\$ 67,424
8			CURB RAMPS	20	SY	\$ 180	\$ 3,620
9			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	82	SY	\$ 75	\$ 6,117
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
11			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500
12			CEMENT CONCRETE DRIVEWAY	104	SY	\$ 200	\$ 20,889
13			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	148	SY	\$ 15	\$ 2,214
14			ROADWAY EXCAVATION INCL. HAUL	11	CY	\$ 35	\$ 389
15			TOPSOIL TYPE A, 2 INCH THICK	25	SY	\$ 12	\$ 296
16			HYDROSEEDING	25	SY	\$ 20	\$ 493
SUBTOTAL							\$ 198,922
CONTINGENCY				40%			\$ 79,570
CONSTRUCTION TOTAL (ROUNDED)							\$ 278,000
PROJECT MANAGEMENT				15%			\$ 41,700
DESIGN				25%			\$ 69,500
CONSTRUCTION MANAGEMENT				20%			\$ 55,600
SUBTOTAL							\$ 166,800
GRAND TOTAL (ROUNDED)							\$ 445,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Logan - LG2a
DESCRIPTION: North Foothills Drive from Division Street to Hamilton Street

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 15,000	\$ 15,000
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 9,900	\$ 9,900
3			REMOVAL OF EXISTING PAVEMENT MARKINGS	3,482	SF	\$ 4	\$ 13,929
4			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS	1	LS	\$ 20,000	\$ 20,000
5			TRAFFIC ISLAND CONCRETE	21	SY	\$ 650	\$ 13,650
6			PAVEMENT MARKING - DURABLE HEAT APPLIED	7,705	SF	\$ 12	\$ 92,459
SUBTOTAL							\$ 164,939
CONTINGENCY				40%			\$ 65,980
CONSTRUCTION TOTAL (ROUNDED)							\$ 231,000
PROJECT MANAGEMENT				15%			\$ 34,650
DESIGN				25%			\$ 57,750
CONSTRUCTION MANAGEMENT				20%			\$ 46,200
SUBTOTAL							\$ 138,600
GRAND TOTAL (ROUNDED)							\$ 370,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Logan - LG2b
DESCRIPTION: Upriver Drive from North Center Street to Crestline Street

BY: MAF
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,600	\$ 5,600
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,600	\$ 2,600
3			REMOVAL OF STRUCTURE AND OBSTRUCTION	1	LS	\$ 5,000	\$ 5,000
4			CLEARING AND GRUBBING	1	LS	\$ 5,000	\$ 5,000
5			ADA RAMP	33	SY	\$ 200	\$ 6,667
6			DRIVER FEEDBACK SIGN SYSTEM	2	EA	\$ 18,000	\$ 36,000
SUBTOTAL							\$ 60,867
CONTINGENCY				40%			\$ 24,350
CONSTRUCTION TOTAL (ROUNDED)							\$ 85,000
PROJECT MANAGEMENT				15%			\$ 12,750
DESIGN				25%			\$ 21,250
CONSTRUCTION MANAGEMENT				20%			\$ 17,000
SUBTOTAL							\$ 51,000
GRAND TOTAL (ROUNDED)							\$ 136,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Logan - LG2c
DESCRIPTION: Montgomery Avenue and Cincinnati Street

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:
1.) Install two (2) proposed stop signs at the intersections.

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Rows include items like MOBILIZATION, PROJECT TEMPORARY TRAFFIC CONTROL, CEMENT CONCRETE CURB AND GUTTER, etc., and summary rows for SUBTOTAL, CONSTRUCTION TOTAL (ROUNDED), and GRAND TOTAL (ROUNDED).



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Minnehaha - MN1
DESCRIPTION: Euclid Avenue and Frederick Avenue from Market Street to Havana Street

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 71,856	\$ 71,856
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 29,940	\$ 29,940
3			ROADWAY EXCAVATION INCL. HAUL	128	CY	\$ 35	\$ 4,479
4			CLEARING AND GRUBBING	1	LS	\$ 8,000	\$ 8,000
5			RELOCATE EXISTING UTILITIES	1	LS	\$ 10,000	\$ 10,000
6			TOPSOIL TYPE A, 2 INCH THICK	380	SY	\$ 12	\$ 4,565
7			HYDROSEEDING	380	SY	\$ 20	\$ 7,609
8			SOD INSTALLATION	380	SY	\$ 30	\$ 11,413
9			AGGREGATE TOP DRESSING	335	SY	\$ 32	\$ 10,713
10			CATCH BASIN DI SEWER PIPE 8IN. DIA.	20	LF	\$ 140	\$ 2,800
11			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
12			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
13			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	3	EA	\$ 920	\$ 2,760
14			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
15			REMOVAL OF EXISTING PAVEMENT MARKINGS	5,814	SF	\$ 4	\$ 23,257
16			PAVEMENT MARKING - DURABLE HEAT APPLIED	7,268	SF	\$ 12	\$ 87,212
17			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS	1	LS	\$ 2,400	\$ 2,400
18			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	395	SY	\$ 15	\$ 5,927
19			REMOVE EXISTING TRAFFIC ISLAND CONCRETE	625	LF	\$ 20	\$ 12,500
20			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	389	SY	\$ 75	\$ 29,183
21			CEMENT CONCRETE CURB AND GUTTER	2,172	LF	\$ 70	\$ 152,040
22			CEMENT CONCRETE DRIVEWAY	292	SY	\$ 200	\$ 58,356
23			CURB RAMPS	42	SY	\$ 180	\$ 7,600
24			CEMENT CONCRETE SIDEWALK	630	SY	\$ 120	\$ 75,628
25			TRAFFIC SIGNAL SYSTEM RETROFIT, EUCLID AND FREYA	1	LS	\$ 3,000	\$ 3,000
26			TRAFFIC ISLAND CONCRETE	430	SY	\$ 150	\$ 64,433
SUBTOTAL							\$ 705,071
CONTINGENCY				40%			\$ 282,030
CONSTRUCTION TOTAL (ROUNDED)							\$ 987,000
PROJECT MANAGEMENT				15%			\$ 148,050
DESIGN				25%			\$ 246,750
CONSTRUCTION MANAGEMENT				20%			\$ 197,400
SUBTOTAL							\$ 592,200
GRAND TOTAL (ROUNDED)							\$ 1,579,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Minnehaha - MN2
DESCRIPTION: Freya Street from Liberty Avenue to Bridgeport Avenue

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 20,432	\$ 20,432	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 6,811	\$ 6,811	
3			ROADWAY EXCAVATION INCL. HAUL	215	CY	\$ 35	\$ 7,541	
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	32	SY	\$ 75	\$ 2,433	
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	131	LF	\$ 140	\$ 18,340	
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500	
7			CATCH BASIN TYPE 1	4	EA	\$ 4,500	\$ 18,000	
8			DRYWELL TYPE 1	1	EA	\$ 6,000	\$ 6,000	
9			ABANDON EXISTING MANHOLE, CATCH BASIN OR DRYWELL	2	EA	\$ 895	\$ 1,790	
10			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920	
11			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400	
12			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000	
13			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	142	SY	\$ 15	\$ 2,126	
14			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000	
15			REMOVAL OF EXISTING PAVEMENT MARKINGS	93	SF	\$ 4	\$ 373	
16			PAVEMENT MARKING - DURABLE HEAT APPLIED	127	SF	\$ 12	\$ 1,520	
17			CEMENT CONCRETE CURB AND GUTTER	255	LF	\$ 70	\$ 17,850	
18			CURB RAMPS	32	SY	\$ 180	\$ 5,729	
19			CEMENT CONCRETE SIDEWALK	248	SY	\$ 160	\$ 39,692	
							SUBTOTAL	\$ 163,458
CONTINGENCY				40%			\$ 65,390	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 229,000
PROJECT MANAGEMENT				15%			\$ 34,350	
DESIGN				25%			\$ 57,250	
CONSTRUCTION MANAGEMENT				20%			\$ 45,800	
							SUBTOTAL	\$ 137,400
							GRAND TOTAL (ROUNDED)	\$ 366,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Minnehaha - MN3
DESCRIPTION: Marietta Avenue and Freya Street

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 14,398	\$ 14,398
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 4,799	\$ 4,799
3			ROADWAY EXCAVATION INCL. HAUL	92	CY	\$ 35	\$ 3,237
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	47	SY	\$ 75	\$ 3,492
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	68	LF	\$ 140	\$ 9,520
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
7			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
8			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
9			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
10			MANHOLE - 48 IN.	1	EA	\$ 4,800	\$ 4,800
11			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
12			RELOCATE EXISTING UTILITIES	1	LS	\$ 20,000	\$ 20,000
13			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	67	SY	\$ 15	\$ 1,003
14			CEMENT CONCRETE CURB AND GUTTER	147	LF	\$ 70	\$ 10,290
15			CURB RAMPS	18	SY	\$ 180	\$ 3,200
16			CEMENT CONCRETE SIDEWALK	129	SY	\$ 160	\$ 20,705
SUBTOTAL							\$ 115,184
CONTINGENCY				40%			\$ 46,080
CONSTRUCTION TOTAL (ROUNDED)							\$ 161,000
PROJECT MANAGEMENT				15%			\$ 24,150
DESIGN				25%			\$ 40,250
CONSTRUCTION MANAGEMENT				20%			\$ 32,200
SUBTOTAL							\$ 96,600
GRAND TOTAL (ROUNDED)							\$ 258,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Minnehaha - MN5
DESCRIPTION: Frederick Avenue and Myrtle Street

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 919	\$ 919
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 306	\$ 306
3			CLEARING AND GRUBBING	1	LS	\$ 2,000	\$ 2,000
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	10	SY	\$ 15	\$ 157
5			CEMENT CONCRETE CURB AND GUTTER	23	LF	\$ 70	\$ 1,610
6			CURB RAMPS	4	SY	\$ 180	\$ 760
7			CEMENT CONCRETE SIDEWALK	10	SY	\$ 160	\$ 1,600
SUBTOTAL							\$ 7,352
CONTINGENCY				40%			\$ 2,950
CONSTRUCTION TOTAL (ROUNDED)							\$ 10,000
PROJECT MANAGEMENT				15%			\$ 1,500
DESIGN				25%			\$ 2,500
CONSTRUCTION MANAGEMENT				20%			\$ 2,000
SUBTOTAL							\$ 6,000
GRAND TOTAL (ROUNDED)							\$ 16,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Minnehaha - MN4
DESCRIPTION: Euclid Avenue and Ferrell Street

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,385	\$ 5,385
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,795	\$ 1,795
3			REMOVAL OF EXISTING PAVEMENT MARKINGS	133	SF	\$ 4	\$ 533
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	160	SF	\$ 12	\$ 1,920
5			REMOVE EXISTING TRAFFIC ISLAND CONCRETE	118	LF	\$ 20	\$ 2,367
6			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	28	SY	\$ 75	\$ 2,092
7			TOPSOIL TYPE A, 2 INCH THICK	68	SY	\$ 12	\$ 817
8			HYDROSEEDING	68	SY	\$ 20	\$ 1,362
9			CEMENT CONCRETE CURB AND GUTTER	124	LF	\$ 70	\$ 8,680
10			CURB RAMPS	10	SY	\$ 180	\$ 1,840
11			CEMENT CONCRETE SIDEWALK	102	SY	\$ 160	\$ 16,287
12			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS	1	LS	\$ 900	\$ 900
SUBTOTAL							\$ 43,078
CONTINGENCY				40%			\$ 17,240
CONSTRUCTION TOTAL (ROUNDED)							\$ 60,000
PROJECT MANAGEMENT				15%			\$ 9,000
DESIGN				25%			\$ 15,000
CONSTRUCTION MANAGEMENT				20%			\$ 12,000
SUBTOTAL							\$ 36,000
GRAND TOTAL (ROUNDED)							\$ 96,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Nevada Heights - NVH3
DESCRIPTION: Perry Street near Rogers High School

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,603	\$ 5,603
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,615	\$ 2,615
3			ROADWAY EXCAVATION INCL. HAUL	7	CY	\$ 35	\$ 246
4			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000
5			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	107	SY	\$ 15	\$ 1,606
6			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS	1	LS	\$ 5,000	\$ 5,000
7			PAVEMENT MARKING - DURABLE HEAT APPLIED	120	SF	\$ 12	\$ 1,440
8			CEMENT CONCRETE CURB AND GUTTER	123	LF	\$ 70	\$ 8,609
9			CURB RAMPS	16	SY	\$ 180	\$ 2,879
10			CEMENT CONCRETE SIDEWALK	91	SY	\$ 160	\$ 14,573
SUBTOTAL							\$ 45,570
CONTINGENCY				40%			\$ 18,230
CONSTRUCTION TOTAL (ROUNDED)							\$ 64,000
PROJECT MANAGEMENT				15%			\$ 9,600
DESIGN				25%			\$ 16,000
CONSTRUCTION MANAGEMENT				20%			\$ 12,800
SUBTOTAL							\$ 38,400
GRAND TOTAL (ROUNDED)							\$ 102,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Nevada Heights - NVH4
DESCRIPTION: Empire Avenue and Nevada Street near Longfellow Elementary

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS: Detection for bicyclists is needed.

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,988	\$ 5,988
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,992	\$ 3,992
3			TRAFFIC SIGNAL VIDEO DETECTION	1	LS	\$ 30,000	\$ 30,000
4			REMOVAL OF EXISTING PAVEMENT MARKINGS	264	SF	\$ 4	\$ 1,056
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	739	SF	\$ 12	\$ 8,864
6			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS	18	SF	\$ 100	\$ 1,800
7			TRAFFIC SIGNAL SYSTEM RETROFIT	1	LS	\$ 2,000	\$ 2,000
SUBTOTAL							\$ 49,900
CONTINGENCY				40%			\$ 19,960
CONSTRUCTION TOTAL (ROUNDED)							\$ 70,000
PROJECT MANAGEMENT				15%			\$ 10,500
DESIGN				25%			\$ 17,500
CONSTRUCTION MANAGEMENT				20%			\$ 14,000
SUBTOTAL							\$ 42,000
GRAND TOTAL (ROUNDED)							\$ 112,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Nevada Heights - NVH5
DESCRIPTION: Garry Middle School

BY: JK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 7,555	\$ 7,555
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,518	\$ 2,518
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	34	SY	\$ 15	\$ 514
5			RELOCATE EXISTING UTILITIES	1	LS	\$ 25,000	\$ 25,000
6			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS	1	LS	\$ 6,000	\$ 6,000
7			PAVEMENT MARKING - DURABLE HEAT APPLIED	173	SF	\$ 12	\$ 2,080
8			CEMENT CONCRETE CURB AND GUTTER	72	LF	\$ 70	\$ 5,037
9			CURB RAMPS	13	SY	\$ 180	\$ 2,340
10			CEMENT CONCRETE SIDEWALK	21	SY	\$ 160	\$ 3,398
SUBTOTAL							\$ 60,442
CONTINGENCY				40%			\$ 24,180
CONSTRUCTION TOTAL (ROUNDED)							\$ 85,000
PROJECT MANAGEMENT				15%			\$ 12,750
DESIGN				25%			\$ 21,250
CONSTRUCTION MANAGEMENT				20%			\$ 17,000
SUBTOTAL							\$ 51,000
GRAND TOTAL (ROUNDED)							\$ 136,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Nevada Heights - NVH1
DESCRIPTION: Lidgerwood Street from Liberty Avenue to Dalton Avenue

BY: JK
CHECKED BY:
DATE:

ASSUMPTIONS:

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Includes 18 line items for construction, a 40% contingency, and management fees for project, design, and construction management, totaling a grand total of \$365,000.



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Nevada Heights - NVH2
DESCRIPTION: Lidgerwood Street from Wellesley Avenue to Empire Avenue

BY: DRV
CHECKED BY:
DATE:

ASSUMPTIONS:

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Includes 19 line items for construction tasks like mobilization, excavation, paving, and utilities, followed by subtotal, contingency, and management fees.



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Shiloh Hills - SH1
DESCRIPTION: Standard Street from Lidgerwood Street to Cozza Drive

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS: Original DOWL design replaced with CoS design

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 6,763	\$ 6,763
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,156	\$ 3,156
3			ROADWAY EXCAVATION INCL. HAUL	20	CY	\$ 35	\$ 685
4			TRAFFIC ISLAND CONCRETE	88	SY	\$ 150	\$ 13,217
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	85	SY	\$ 75	\$ 6,383
6			REMOVAL OF EXISTING PAVEMENT MARKINGS	1,305	SF	\$ 4	\$ 5,221
7			PAVEMENT MARKING - DURABLE HEAT APPLIED	1,632	SF	\$ 12	\$ 19,580
SUBTOTAL							\$ 55,006
CONTINGENCY				40%			\$ 22,010
CONSTRUCTION TOTAL (ROUNDED)							\$ 77,000
PROJECT MANAGEMENT				15%			\$ 11,550
DESIGN				25%			\$ 19,250
CONSTRUCTION MANAGEMENT				20%			\$ 15,400
SUBTOTAL							\$ 46,200
GRAND TOTAL (ROUNDED)							\$ 123,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Shiloh Hills - SH3
DESCRIPTION: Standard Street and St Thomas More Way

BY: JK
CHECKED BY:
DATE:

ASSUMPTIONS:

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Includes 15 line items for construction and 3 line items for management, totaling a grand total of \$248,000.



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Shiloh Hills - SH6
DESCRIPTION: Standard Street and Lyons Avenue

BY: JK
CHECKED BY:
DATE:

ASSUMPTIONS:

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Rows include items like MOBILIZATION, PROJECT TEMPORARY TRAFFIC CONTROL, ROADWAY EXCAVATION INCL. HAUL, etc., ending with a GRAND TOTAL (ROUNDED) of \$ 162,000.



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Shiloh Hills - SH2
DESCRIPTION: Magnesium Road from North Dakota Street to Nevada Street

BY: JK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,029	\$ 5,029
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,676	\$ 1,676
3			REMOVAL OF EXISTING PAVEMENT MARKINGS	883	SF	\$ 4	\$ 3,533
4			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 3,000	\$ 3,000
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	2,249	SF	\$ 12	\$ 26,991
SUBTOTAL							\$ 40,229
CONTINGENCY				40%			\$ 16,100
CONSTRUCTION TOTAL (ROUNDED)							\$ 56,000
PROJECT MANAGEMENT				15%			\$ 8,400
DESIGN				25%			\$ 14,000
CONSTRUCTION MANAGEMENT				20%			\$ 11,200
SUBTOTAL							\$ 33,600
GRAND TOTAL (ROUNDED)							\$ 90,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Whitman - WM1
DESCRIPTION: Pittsburg Street from Central Avenue to Francis Avenue

BY: MAF
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:
 1.) Remove 140 feet of existing fence.

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 9,600	\$ 9,600	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 6,300	\$ 6,300	
3			CLEARING AND GRUBBING	1	LS	\$ 8,000	\$ 8,000	
4			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000	
5			REMOVAL OF STRUCTURE AND OBSTRUCTION	1	LS	\$ 2,800	\$ 2,800	
6			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	87	SY	\$ 15	\$ 1,300	
7			ROADWAY EXCAVATION INCL. HAUL	5	CY	\$ 35	\$ 172	
8			CEMENT CONCRETE CURB AND GUTTER	189	LF	\$ 70	\$ 13,230	
9			CEMENT CONCRETE SIDEWALK	163	SY	\$ 160	\$ 26,027	
10			CEMENT CONCRETE DRIVEWAY	103	SY	\$ 200	\$ 20,556	
11			CURB RAMPS	53	SY	\$ 180	\$ 9,600	
12			CSTC FOR SIDEWALK AND DRIVEWAYS	15	CY	\$ 150	\$ 2,212	
							SUBTOTAL	\$ 104,796
CONTINGENCY				40%			\$ 41,920	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 147,000
PROJECT MANAGEMENT				15%			\$ 22,050	
DESIGN				25%			\$ 36,750	
CONSTRUCTION MANAGEMENT				20%			\$ 29,400	
							SUBTOTAL	\$ 88,200
							GRAND TOTAL (ROUNDED)	\$ 235,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Whitman - WM5
DESCRIPTION: Crown Avenue from Helena Street to Magnolia Avenue and Perry Street from Queen Avenue to North Avenue

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 21,900	\$ 21,900
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 14,000	\$ 14,000
3			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
4			CLEARING AND GRUBBING	1	LS	\$ 18,000	\$ 18,000
5			SOD INSTALLATION	200	SY	\$ 30	\$ 5,993
6			TOPSOIL TYPE A, 2 INCH THICK	200	SY	\$ 12	\$ 2,397
7			TREE PROTECTION ZONE	5	EA	\$ 1,500	\$ 7,500
8			TREE PRUNING	11	EA	\$ 350	\$ 3,850
9			REMOVE TREE, CLASS II	2	EA	\$ 2,000	\$ 4,000
10			2 INCH CALIPER DECIDUOUS TREE	2	EA	\$ 775	\$ 1,550
11			REMOVE AND REPLACE EXISTING SPRINKLER HEADS AND LINES	1	LS	\$ 15,000	\$ 15,000
12			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	15	SY	\$ 75	\$ 1,100
13			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	182	SY	\$ 15	\$ 2,735
14			REMOVAL OF STRUCTURE AND OBSTRUCTION	3	CY	\$ 35	\$ 107
15			RELOCATE EXISTING UTILITIES	1	LS	\$ 10,000	\$ 10,000
16			CEMENT CONCRETE CURB AND GUTTER	132	LF	\$ 70	\$ 9,240
17			CEMENT CONCRETE SIDEWALK	607	SY	\$ 120	\$ 72,880
18			CEMENT CONCRETE DRIVEWAY	150	SY	\$ 200	\$ 30,000
19			CURB RAMPS	44	SY	\$ 180	\$ 8,000
20			CSTC FOR SIDEWALK AND DRIVEWAYS	45	CY	\$ 150	\$ 6,681
SUBTOTAL							\$ 239,935
CONTINGENCY				40%			\$ 95,980
CONSTRUCTION TOTAL (ROUNDED)							\$ 336,000
PROJECT MANAGEMENT				15%			\$ 50,400
DESIGN				25%			\$ 84,000
CONSTRUCTION MANAGEMENT				20%			\$ 67,200
SUBTOTAL							\$ 201,600
GRAND TOTAL (ROUNDED)							\$ 538,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Whitman - WM4
DESCRIPTION: Nebraska Avenue from Perry Street to Napa Street

BY: MAF
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 29,300	\$ 29,300
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 19,200	\$ 19,200
3			CLEARING AND GRUBBING	1	LS	\$ 9,000	\$ 9,000
4			SOD INSTALLATION	371	SY	\$ 30	\$ 11,133
5			TOPSOIL TYPE A, 2 INCH THICK	371	SY	\$ 12	\$ 4,453
6			TREE PROTECTION ZONE	2	EA	\$ 1,500	\$ 3,000
7			TREE PRUNING	10	EA	\$ 350	\$ 3,500
8			REMOVE TREE, CLASS II	2	EA	\$ 2,000	\$ 4,000
9			2 INCH CALIPER DECIDUOUS TREE	2	EA	\$ 775	\$ 1,550
10			REMOVE AND REPLACE EXISTING SPRINKLER HEADS AND LINES	1	LS	\$ 10,000	\$ 10,000
11			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	89	SY	\$ 75	\$ 6,650
12			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	67	SY	\$ 15	\$ 1,000
13			REMOVAL OF STRUCTURE AND OBSTRUCTION	3	CY	\$ 35	\$ 107
14			CATCH BASIN DI SEWER PIPE 8IN. DIA.	94	LF	\$ 140	\$ 13,160
15			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000
16			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
17			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
18			RELOCATE EXISTING UTILITIES	1	LS	\$ 10,000	\$ 10,000
19			CEMENT CONCRETE CURB AND GUTTER	422	LF	\$ 70	\$ 29,540
20			CEMENT CONCRETE SIDEWALK	912	SY	\$ 120	\$ 109,400
21			CEMENT CONCRETE DRIVEWAY	71	SY	\$ 200	\$ 14,289
22			CURB RAMPS	111	SY	\$ 180	\$ 20,000
23			CSTC FOR SIDEWALK AND DRIVEWAYS	61	CY	\$ 150	\$ 9,119
SUBTOTAL							\$ 322,241
CONTINGENCY				40%			\$ 128,900
CONSTRUCTION TOTAL (ROUNDED)							\$ 451,000
PROJECT MANAGEMENT				15%			\$ 67,650
DESIGN				25%			\$ 112,750
CONSTRUCTION MANAGEMENT				20%			\$ 90,200
SUBTOTAL							\$ 270,600
GRAND TOTAL (ROUNDED)							\$ 722,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Whitman - WM2
DESCRIPTION: Martin Street from Queen Avenue to Everett Avenue

BY: MAF
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,900	\$ 5,900
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,900	\$ 3,900
3			CLEARING AND GRUBBING	1	LS	\$ 4,000	\$ 4,000
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	8	SY	\$ 15	\$ 122
5			CEMENT CONCRETE SIDEWALK	287	SY	\$ 160	\$ 45,907
6			CEMENT CONCRETE DRIVEWAY	10	SY	\$ 200	\$ 2,032
7			CSTC FOR SIDEWALK AND DRIVEWAYS	17	CY	\$ 150	\$ 2,476
SUBTOTAL							\$ 64,336
CONTINGENCY				40%			\$ 25,740
CONSTRUCTION TOTAL (ROUNDED)							\$ 90,000
PROJECT MANAGEMENT				15%			\$ 13,500
DESIGN				25%			\$ 22,500
CONSTRUCTION MANAGEMENT				20%			\$ 18,000
SUBTOTAL							\$ 54,000
GRAND TOTAL (ROUNDED)							\$ 144,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Whitman - WM3
DESCRIPTION: Napa Street from Nebraska Avenue to Francis Avenue

BY: MAF
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 25,700	\$ 25,700
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 16,800	\$ 16,800
3			CLEARING AND GRUBBING	1	LS	\$ 13,000	\$ 13,000
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	337	SY	\$ 15	\$ 5,049
5			REMOVAL OF STRUCTURE AND OBSTRUCTION	12	CY	\$ 35	\$ 419
6			CEMENT CONCRETE CURB AND GUTTER	538	LF	\$ 70	\$ 37,650
7			CEMENT CONCRETE SIDEWALK	765	SY	\$ 160	\$ 122,344
8			CEMENT CONCRETE DRIVEWAY	263	SY	\$ 200	\$ 52,538
9			CSTC FOR SIDEWALK AND DRIVEWAYS	57	CY	\$ 150	\$ 8,561
SUBTOTAL							\$ 282,060
CONTINGENCY				40%			\$ 112,830
CONSTRUCTION TOTAL (ROUNDED)							\$ 395,000
PROJECT MANAGEMENT				15%			\$ 59,250
DESIGN				25%			\$ 98,750
CONSTRUCTION MANAGEMENT				20%			\$ 79,000
SUBTOTAL							\$ 237,000
GRAND TOTAL (ROUNDED)							\$ 632,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Browne's Addition - BA1</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Second Avenue and Elm Street Intersection</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 12,938	\$ 12,938
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 4,313	\$ 4,313
3			CEMENT CONCRETE SIDEWALK	28	SY	\$ 180	\$ 5,000
4			ROADWAY EXCAVATION INCL. HAUL	116	CY	\$ 75	\$ 8,685
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	71	SY	\$ 75	\$ 5,333
6			CATCH BASIN DI SEWER PIPE 8IN. DIA.	80	LF	\$ 140	\$ 11,200
7			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000
8			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
9			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
10			MH OR DW FRAME AND COVER (STANDARD)	3	EA	\$ 1,400	\$ 4,200
11			CURB RAMPS	53	SY	\$ 130	\$ 6,933
12			TOPSOIL TYPE A, 2 INCH THICK	222	SY	\$ 12	\$ 2,667
13			HYDROSEEDING	222	SY	\$ 20	\$ 4,444
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	223	SY	\$ 15	\$ 3,350
15			CEMENT CONCRETE CURB AND GUTTER	230	LF	\$ 70	\$ 16,100
SUBTOTAL							\$ 103,504
CONTINGENCY				40%			\$ 41,410
CONSTRUCTION TOTAL (ROUNDED)							\$ 145,000
				15%	PROJECT MANAGEMENT		\$ 21,750
				25%	DESIGN		\$ 36,250
				20%	CONSTRUCTION MANAGEMENT		\$ 29,000
SUBTOTAL							\$ 87,000
GRAND TOTAL (ROUNDED)							\$ 232,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Browne's Addition - BA2</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Second Avenue and Cannon Street Intersection</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 13,930	\$ 13,930
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 4,643	\$ 4,643
3			CEMENT CONCRETE SIDEWALK	24	SY	\$ 160	\$ 3,787
4			ROADWAY EXCAVATION INCL. HAUL	154	CY	\$ 75	\$ 11,574
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	89	SY	\$ 75	\$ 6,667
6			CATCH BASIN DI SEWER PIPE 8IN. DIA.	100	LF	\$ 140	\$ 14,000
7			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
8			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
9			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
10			MH OR DW FRAME AND COVER (STANDARD)	3	EA	\$ 1,400	\$ 4,200
11			CURB RAMPS	20	SY	\$ 180	\$ 3,600
12			TOPSOIL TYPE A, 2 INCH THICK	182	SY	\$ 12	\$ 2,183
13			HYDROSEEDING	182	SY	\$ 20	\$ 3,638
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	131	SY	\$ 15	\$ 1,967
15			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 6,500	\$ 6,500
16			CEMENT CONCRETE CURB AND GUTTER	213	LF	\$ 70	\$ 14,910
SUBTOTAL							\$ 111,437
CONTINGENCY				40%			\$ 44,580
CONSTRUCTION TOTAL (ROUNDED)							\$ 156,000
				PROJECT MANAGEMENT	15%		\$ 23,400
				DESIGN	25%		\$ 39,000
				CONSTRUCTION MANAGEMENT	20%		\$ 31,200
SUBTOTAL							\$ 93,600
GRAND TOTAL (ROUNDED)							\$ 250,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Browne's Addition - BA5a</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Coeur d'Alene Street and Fourth Avenue Intersection</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 11,883	\$ 11,883
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,961	\$ 3,961
3			CEMENT CONCRETE SIDEWALK	64	SY	\$ 160	\$ 10,240
4			ROADWAY EXCAVATION INCL. HAUL	112	CY	\$ 75	\$ 8,378
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	34	SY	\$ 75	\$ 2,533
6			CATCH BASIN DI SEWER PIPE 8IN. DIA.	38	LF	\$ 140	\$ 5,320
7			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
8			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500
9			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920
10			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
11			CURB RAMPS	9	SY	\$ 180	\$ 1,560
12			TOPSOIL TYPE A, 2 INCH THICK	182	SY	\$ 12	\$ 2,183
13			HYDROSEEDING	182	SY	\$ 20	\$ 3,638
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	225	SY	\$ 15	\$ 3,375
15			PAVEMENT MARKING - DURABLE HEAT APPLIED	133	SF	\$ 12	\$ 1,600
16			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 3,500	\$ 3,500
17			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
18			CEMENT CONCRETE DRIVEWAY	43	SY	\$ 200	\$ 8,667
19			CEMENT CONCRETE CURB AND GUTTER	213	LF	\$ 70	\$ 14,910
SUBTOTAL							\$ 95,068
CONTINGENCY				40%			\$ 38,030
CONSTRUCTION TOTAL (ROUNDED)							\$ 133,000
PROJECT MANAGEMENT				15%			\$ 19,950
DESIGN				25%			\$ 33,250
CONSTRUCTION MANAGEMENT				20%			\$ 26,600
SUBTOTAL							\$ 79,800
GRAND TOTAL (ROUNDED)							\$ 213,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Browne's Addition - BA3

DESCRIPTION: First Avenue and Maple Street Intersection

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 15,061	\$ 15,061
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 5,020	\$ 5,020
3			CEMENT CONCRETE SIDEWALK	41	SY	\$ 160	\$ 6,560
4			ROADWAY EXCAVATION INCL. HAUL	41	CY	\$ 75	\$ 3,056
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	7	SY	\$ 75	\$ 500
6			MH OR DW FRAME AND COVER (STANDARD)	2	EA	\$ 1,400	\$ 2,800
7			CURB RAMPS	14	SY	\$ 180	\$ 2,460
8			TOPSOIL TYPE A, 2 INCH THICK	544	SY	\$ 12	\$ 6,533
9			HYDROSEEDING	544	SY	\$ 20	\$ 10,889
10			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	492	SY	\$ 15	\$ 7,378
11			REMOVE EXISTING TRAFFIC ISLAND CONCRETE	10	LF	\$ 20	\$ 200
12			PAVEMENT MARKING - DURABLE HEAT APPLIED	200	SF	\$ 12	\$ 2,400
13			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 10,000	\$ 10,000
14			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
15			TRAFFIC ISLAND CONCRETE	34	SY	\$ 150	\$ 5,167
16			CEMENT CONCRETE DRIVEWAY	33	SY	\$ 200	\$ 6,667
17			CEMENT CONCRETE CURB AND GUTTER	440	LF	\$ 70	\$ 30,800
SUBTOTAL							\$ 120,491
CONTINGENCY				40%			\$ 48,200
CONSTRUCTION TOTAL (ROUNDED)							\$ 169,000
PROJECT MANAGEMENT				15%			\$ 25,350
DESIGN				25%			\$ 42,250
CONSTRUCTION MANAGEMENT				20%			\$ 33,800
SUBTOTAL							\$ 101,400
GRAND TOTAL (ROUNDED)							\$ 270,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Browne's Addition - BA4</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Sunset Boulevard</u>	CHECKED BY: _____
ASSUMPTIONS:	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 40,941	\$ 40,941
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 13,647	\$ 13,647
3			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 100,000	\$ 100,000
4			ELECTRICAL SERVICE CABINET	1	EA	\$ 15,000	\$ 15,000
5			CEMENT CONCRETE SIDEWALK	146	SY	\$ 160	\$ 23,324
6			ROADWAY EXCAVATION INCL. HAUL	351	CY	\$ 75	\$ 26,333
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	199	SY	\$ 75	\$ 14,917
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	205	LF	\$ 140	\$ 28,700
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
10			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
11			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
12			MH OR DW FRAME AND COVER (STANDARD)	3	EA	\$ 1,400	\$ 4,200
13			CURB RAMPS	9	SY	\$ 180	\$ 1,560
14			TOPSOIL TYPE A, 2 INCH THICK	1,450	SY	\$ 12	\$ 17,395
15			HYDROSEEDING	1,450	SY	\$ 20	\$ 28,991
16			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	1,083	SY	\$ 15	\$ 16,243
17			PAVEMENT MARKING - DURABLE HEAT APPLIED	67	SF	\$ 12	\$ 800
18			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 4,000	\$ 4,000
19			LIGHT POLE INSTALLATION	1	LS	\$ 2,000	\$ 2,000
20			CEMENT CONCRETE DRIVEWAY	12	SY	\$ 200	\$ 2,333
21			TRAFFIC ISLAND CONCRETE	140	SY	\$ 150	\$ 20,983
22			CEMENT CONCRETE CURB AND GUTTER	876	LF	\$ 70	\$ 61,320
SUBTOTAL							\$ 442,528
CONTINGENCY				40%			\$ 177,020
CONSTRUCTION TOTAL (ROUNDED)							\$ 620,000
				15%	PROJECT MANAGEMENT		\$ 93,000
				25%	DESIGN		\$ 155,000
				20%	CONSTRUCTION MANAGEMENT		\$ 124,000
SUBTOTAL							\$ 372,000
GRAND TOTAL (ROUNDED)							\$ 992,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Cliff-Cannon - CC1B</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Walnut Street/Maple Street and Cedar Street Intersection</u>	CHECKED BY: _____
ASSUMPTIONS:	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 33,108	\$ 33,108
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 11,036	\$ 11,036
3			ROADWAY EXCAVATION INCLUDING HAUL	110	CY	\$ 35	\$ 3,834
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	2,479	SF	\$ 12	\$ 29,742
5			REMOVAL OF EXISTING PAVEMENT MARKINGS	500	SF	\$ 4	\$ 2,000
6			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,500	\$ 2,500
7			CURB RAMPS	2	SY	\$ 180	\$ 400
8			TOPSOIL TYPE A, 2 INCH THICK	112	SY	\$ 12	\$ 1,348
9			HYDROSEEDING	112	SY	\$ 20	\$ 2,247
10			ELECTRICAL SERVICE CABINET	1	EA	\$ 15,000	\$ 15,000
11			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 40,000	\$ 40,000
12			LIGHT POLE INSTALLATION	2	EA	\$ 1,000	\$ 2,000
13			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
14			TYPE III BARRICADES AND SIGNS	3	EA	\$ 1,000	\$ 3,000
15			TRAFFIC ISLAND CONCRETE	338	SY	\$ 150	\$ 50,633
16			CEMENT CONCRETE SIDEWALK	7	SY	\$ 160	\$ 1,067
17			CEMENT CONCRETE CURB AND GUTTER	885	LF	\$ 70	\$ 61,950
SUBTOTAL							\$ 264,865
CONTINGENCY				40%			\$ 105,950
CONSTRUCTION TOTAL (ROUNDED)							\$ 371,000
				15%			\$ 55,650
				25%			\$ 92,750
				20%			\$ 74,200
SUBTOTAL							\$ 222,600
GRAND TOTAL (ROUNDED)							\$ 594,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Cliff-Cannon - CC4</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Grand Boulevard from 9th Avenue to 16th Avenue</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 67,409	\$ 67,409
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 22,470	\$ 22,470
3			ROADWAY EXCAVATION INCLUDING HAUL	373	CY	\$ 35	\$ 13,049
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	6,755	SF	\$ 12	\$ 81,063
5			REMOVAL OF EXISTING PAVEMENT MARKINGS	2,690	SF	\$ 4	\$ 10,760
6			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 400	\$ 400
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	142	SY	\$ 75	\$ 10,667
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	160	LF	\$ 140	\$ 22,400
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	4	EA	\$ 1,500	\$ 6,000
10			CATCH BASIN TYPE 1	4	EA	\$ 4,500	\$ 18,000
11			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	3	EA	\$ 920	\$ 2,760
12			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,000	\$ 2,000
13			REMOVE EXISTING TRAFFIC ISLAND CONCRETE	1,030	SF	\$ 20	\$ 20,600
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	1,062	SY	\$ 15	\$ 15,930
15			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 53,000	\$ 53,000
16			TRAFFIC ISLAND CONCRETE	410	SY	\$ 150	\$ 61,500
17			CEMENT CONCRETE DRIVEWAY	41	SY	\$ 200	\$ 8,222
18			CEMENT CONCRETE SIDEWALK	183	SY	\$ 160	\$ 29,244
19			CEMENT CONCRETE CURB AND GUTTER	1,340	LF	\$ 70	\$ 93,800
SUBTOTAL							\$ 539,275
CONTINGENCY				40%			\$ 215,720
CONSTRUCTION TOTAL (ROUNDED)							\$ 755,000
				PROJECT MANAGEMENT	15%		\$ 113,250
				DESIGN	25%		\$ 188,750
				CONSTRUCTION MANAGEMENT	20%		\$ 151,000
SUBTOTAL							\$ 453,000
GRAND TOTAL (ROUNDED)							\$ 1,208,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Cliff Cannon - CC2</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Cliff Drive at Edwidge Woldson Park</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 60,260	\$ 60,260
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 20,087	\$ 20,087
3			ROADWAY EXCAVATION INCLUDING HAUL	340	CY	\$ 35	\$ 11,911
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	381	SY	\$ 75	\$ 28,583
5			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 500	\$ 500
6			CATCH BASIN DI SEWER PIPE 8IN. DIA.	60	LF	\$ 140	\$ 8,400
7			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	6	EA	\$ 1,500	\$ 9,000
8			CATCH BASIN TYPE 1	6	EA	\$ 4,500	\$ 27,000
9			DRYWELL TYPE 1	6	EA	\$ 6,000	\$ 36,000
10			PAVEMENT MARKING - DURABLE HEAT APPLIED	130	SF	\$ 12	\$ 1,560
11			TOPSOIL TYPE A, 2 INCH THICK	137	SY	\$ 12	\$ 1,647
12			HYDROSEEDING	137	SY	\$ 20	\$ 2,744
13			REMOVE TREE, CLASS II	1	EA	\$ 2,000	\$ 2,000
14			REMOVAL OF STRUCTURE AND OBSTRUCTION	1	LS	\$ 5,000	\$ 5,000
15			CEMENT CONCRETE SIDEWALK	962	SY	\$ 160	\$ 153,956
16			CEMENT CONCRETE DRIVEWAY	16	SY	\$ 200	\$ 3,111
17			CEMENT CONCRETE CURB AND GUTTER	1,576	LF	\$ 70	\$ 110,320
SUBTOTAL							\$ 482,078
CONTINGENCY				40%			\$ 192,840
CONSTRUCTION TOTAL (ROUNDED)							\$ 675,000
PROJECT MANAGEMENT				15%			\$ 101,250
DESIGN				25%			\$ 168,750
CONSTRUCTION MANAGEMENT				20%			\$ 135,000
SUBTOTAL							\$ 405,000
GRAND TOTAL (ROUNDED)							\$ 1,080,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Cliff-Cannon - CC1A</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Cedar Street Corridor from 14th Avenue to 19th Avenue</u>	CHECKED BY: _____
	DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 50,571	\$ 50,571
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 16,857	\$ 16,857
3			ROADWAY EXCAVATION INCLUDING HAUL	348	CY	\$ 35	\$ 12,174
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	2,804	SF	\$ 12	\$ 33,648
5			REMOVAL OF EXISTING PAVEMENT MARKINGS	2,804	SF	\$ 4	\$ 11,216
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	163	SY	\$ 75	\$ 12,200
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	183	LF	\$ 140	\$ 25,620
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	6	EA	\$ 1,500	\$ 9,000
7			CATCH BASIN TYPE 1	6	EA	\$ 4,500	\$ 27,000
8			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	5	EA	\$ 920	\$ 4,600
9			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	190	SY	\$ 15	\$ 2,855
10			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 50,000	\$ 50,000
11			CURB RAMPS	88	SY	\$ 180	\$ 15,760
12			HYDRANT ASSEMBLY	1	LS	\$ 9,000	\$ 9,000
13			TOPSOIL TYPE A, 2 INCH THICK	398	SY	\$ 12	\$ 4,773
14			HYDROSEEDING	398	SY	\$ 20	\$ 7,956
15			CEMENT CONCRETE DRIVEWAY	38	SY	\$ 200	\$ 7,556
16			CEMENT CONCRETE SIDEWALK	346	SY	\$ 160	\$ 55,413
17			CEMENT CONCRETE CURB AND GUTTER	691	LF	\$ 70	\$ 48,370
SUBTOTAL							\$ 404,568
CONTINGENCY				40%			\$ 161,830
CONSTRUCTION TOTAL (ROUNDED)							\$ 566,000
				15%			\$ 84,900
				25%			\$ 141,500
				20%			\$ 113,200
SUBTOTAL							\$ 339,600
GRAND TOTAL (ROUNDED)							\$ 906,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Cliff-Cannon - CC3</u>	BY: <u>DRV</u>
DESCRIPTION: <u>5th Avenue from Lincoln Street to Monroe Street</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,000	\$ 5,000
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,500	\$ 1,500
3			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 80,000	\$ 80,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	243	SF	\$ 12	\$ 2,920
SUBTOTAL							\$ 89,420
CONTINGENCY				40%			\$ 35,770
CONSTRUCTION TOTAL (ROUNDED)							\$ 125,000
				15%			\$ 18,750
				25%			\$ 31,250
				20%			\$ 25,000
SUBTOTAL							\$ 75,000
GRAND TOTAL (ROUNDED)							\$ 200,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Comstock - CS3
DESCRIPTION: 37th Avenue from High Drive to Bernard Street

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 39,427	\$ 39,427	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 13,142	\$ 13,142	
3			ROADWAY EXCAVATION INCLUDING HAUL	73	CY	\$ 35	\$ 2,548	
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	93	SY	\$ 75	\$ 7,000	
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	40	LF	\$ 140	\$ 5,600	
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000	
7			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000	
8			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840	
9			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	208	SY	\$ 15	\$ 3,113	
10			PAVEMENT MARKING - DURABLE HEAT APPLIED	159	SF	\$ 12	\$ 1,904	
11			CURB RAMPS	97	SY	\$ 180	\$ 17,400	
12			HYDRANT ASSEMBLY	1	EA	\$ 9,000	\$ 9,000	
13			TOPSOIL TYPE A, 2 INCH THICK	109	SY	\$ 12	\$ 1,307	
14			HYDROSEEDING	109	SY	\$ 20	\$ 2,178	
15			CEMENT CONCRETE SIDEWALK - SPEED HUMP	101	SY	\$ 200	\$ 20,133	
16			CEMENT CONCRETE SIDEWALK	755	SY	\$ 160	\$ 120,800	
17			CEMENT CONCRETE DRIVEWAY	108	SY	\$ 200	\$ 21,622	
18			CEMENT CONCRETE CURB AND GUTTER	520	LF	\$ 70	\$ 36,400	
							SUBTOTAL	\$ 315,414
CONTINGENCY				40%			\$ 126,170	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 442,000
PROJECT MANAGEMENT				15%			\$ 66,300	
DESIGN				25%			\$ 110,500	
CONSTRUCTION MANAGEMENT				20%			\$ 88,400	
							SUBTOTAL	\$ 265,200
							GRAND TOTAL (ROUNDED)	\$ 707,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Comstock - CS1

DESCRIPTION: 33rd Avenue near Lincoln Drive

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 9,446	\$ 9,446
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,149	\$ 3,149
3			ROADWAY EXCAVATION INCLUDING HAUL	75	CY	\$ 35	\$ 2,631
4			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
5			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	32	SY	\$ 15	\$ 483
6			PAVEMENT MARKING - DURABLE HEAT APPLIED	55	SF	\$ 12	\$ 660
7			CATCH BASIN DI SEWER PIPE 8IN. DIA.	44	LF	\$ 140	\$ 6,160
8			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
9			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500
10			CURB RAMPS	11	SY	\$ 130	\$ 1,416
11			TOPSOIL TYPE A, 2 INCH THICK	28	SY	\$ 12	\$ 333
12			HYDROSEEDING	28	SY	\$ 20	\$ 556
13			CEMENT CONCRETE SIDEWALK - SPEED HUMP	83	SY	\$ 200	\$ 16,667
14			CEMENT CONCRETE SIDEWALK	64	SY	\$ 160	\$ 10,169
15			CEMENT CONCRETE CURB AND GUTTER	170	LF	\$ 70	\$ 11,900
SUBTOTAL							\$ 75,570
CONTINGENCY				40%			\$ 30,230
CONSTRUCTION TOTAL (ROUNDED)							\$ 106,000
PROJECT MANAGEMENT				15%			\$ 15,900
DESIGN				25%			\$ 26,500
CONSTRUCTION MANAGEMENT				20%			\$ 21,200
SUBTOTAL							\$ 63,600
GRAND TOTAL (ROUNDED)							\$ 170,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Comstock - CS4</u>	BY: <u>JHK</u>
DESCRIPTION: <u>37th Avenue from Bernard Street to Grand Boulevard</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,598	\$ 5,598
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,799	\$ 2,799
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 4,000	\$ 4,000
4			REMOVAL OF EXISTING PAVEMENT MARKINGS	200	SF	\$ 4	\$ 800
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	2,710	SF	\$ 12	\$ 32,520
SUBTOTAL							\$ 45,717
CONTINGENCY				40%			\$ 18,290
CONSTRUCTION TOTAL (ROUNDED)							\$ 64,000
				15%			\$ 9,600
				25%			\$ 16,000
				20%			\$ 12,800
SUBTOTAL							\$ 38,400
GRAND TOTAL (ROUNDED)							\$ 102,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Comstock - CS2</u>	BY: <u>JHK</u>
DESCRIPTION: <u>37th Avenue and Perry Street Intersection</u>	CHECKED BY: _____
	DATE: _____
ASSUMPTIONS: <u>Estimated exposed surface wall height will average 3ft</u>	

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 28,511	\$ 28,511
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 9,504	\$ 9,504
3			ROADWAY EXCAVATION INCLUDING HAUL	223	CY	\$ 35	\$ 7,790
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	219	SY	\$ 75	\$ 16,400
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	161	LF	\$ 140	\$ 22,540
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	5	EA	\$ 1,500	\$ 7,500
7			CATCH BASIN TYPE 1	5	EA	\$ 4,500	\$ 22,500
8			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	5	EA	\$ 920	\$ 4,600
9			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	186	SY	\$ 15	\$ 2,783
10			PAVEMENT MARKING - DURABLE HEAT APPLIED	304	SF	\$ 12	\$ 3,648
11			REMOVAL OF EXISTING PAVEMENT MARKINGS	450	SF	\$ 4	\$ 1,800
12			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,500	\$ 2,500
13			CURB RAMPS	15	SY	\$ 180	\$ 2,720
14			RETAINING WALL	300	SF	\$ 120	\$ 36,000
15			TOPSOIL TYPE A, 2 INCH THICK	51	SY	\$ 12	\$ 607
16			HYDROSEEDING	51	SY	\$ 20	\$ 1,011
17			CEMENT CONCRETE SIDEWALK	208	SY	\$ 160	\$ 33,244
18			CEMENT CONCRETE CURB AND GUTTER	349	LF	\$ 70	\$ 24,430
SUBTOTAL							\$ 228,088
CONTINGENCY				40%			\$ 91,240
CONSTRUCTION TOTAL (ROUNDED)							\$ 319,000
				15%			\$ 47,850
				25%			\$ 79,750
				20%			\$ 63,800
SUBTOTAL							\$ 191,400
GRAND TOTAL (ROUNDED)							\$ 510,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Comstock - CS5A

DESCRIPTION: 33rd Avenue and Grand Boulevard Intersection

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 11,070	\$ 11,070	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,690	\$ 3,690	
3			ROADWAY EXCAVATION INCLUDING HAUL	68	CY	\$ 35	\$ 2,385	
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	54	SY	\$ 75	\$ 4,083	
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	55	LF	\$ 140	\$ 7,700	
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500	
7			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500	
8			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	7	SY	\$ 15	\$ 102	
9			PAVEMENT MARKING - DURABLE HEAT APPLIED	401	SF	\$ 12	\$ 4,816	
10			CURB RAMPS	5	SY	\$ 130	\$ 693	
11			CEMENT CONCRETE SIDEWALK	22	SY	\$ 160	\$ 3,520	
12			CEMENT CONCRETE CURB AND GUTTER	50	LF	\$ 70	\$ 3,500	
13			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 40,000	\$ 40,000	
14			LIGHT POLE INSTALLATION	1	LS	\$ 1,000	\$ 1,000	
							SUBTOTAL	\$ 88,559
CONTINGENCY				40%			\$ 35,430	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 124,000
PROJECT MANAGEMENT				15%			\$ 18,600	
DESIGN				25%			\$ 31,000	
CONSTRUCTION MANAGEMENT				20%			\$ 24,800	
							SUBTOTAL	\$ 74,400
							GRAND TOTAL (ROUNDED)	\$ 198,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Grandview Thorpe - GT1	BY: JHK
DESCRIPTION: 16th Avenue	CHECKED BY:
ASSUMPTIONS:	DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 103,035	\$ 103,035
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 34,345	\$ 34,345
3			CLEARING AND GRUBBING	1	LS	\$ 10,000	\$ 10,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	2,900	SF	\$ 12	\$ 34,800
5			REMOVE UNSUITABLE FOUNDATION MATERIAL	353	CY	\$ 60	\$ 21,163
6			CEMENT CONCRETE SIDEWALK	1,587	SY	\$ 100	\$ 158,722
7			ROADWAY EXCAVATION INCL. HAUL	354	CY	\$ 75	\$ 26,556
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	116	SY	\$ 75	\$ 8,667
9			CATCH BASIN DI SEWER PIPE 8IN. DIA.	130	LF	\$ 140	\$ 18,200
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	13	EA	\$ 1,500	\$ 19,500
11			CATCH BASIN TYPE 1	13	EA	\$ 4,500	\$ 58,500
12			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	7	EA	\$ 920	\$ 6,440
13			MH OR DW FRAME AND COVER (STANDARD)	17	EA	\$ 1,400	\$ 23,800
14			CURB RAMPS	17	SY	\$ 180	\$ 3,000
15			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	159	SY	\$ 15	\$ 2,378
16			CEMENT CONCRETE DRIVEWAY	159	SY	\$ 200	\$ 31,711
17			EROSION CONTROL BLANKET	1,800	SY	\$ 15	\$ 27,000
18			18 INCH CULVERT	168	LF	\$ 175	\$ 29,400
19			CEMENT CONCRETE CURB AND GUTTER	2,958	LF	\$ 70	\$ 207,060
SUBTOTAL							\$ 824,276
CONTINGENCY				40%			\$ 329,720
CONSTRUCTION TOTAL (ROUNDED)							\$ 1,154,000
ROW ACQUISITION							\$ 150,000
PROJECT MANAGEMENT				15%			\$ 173,100
DESIGN				25%			\$ 288,500
CONSTRUCTION MANAGEMENT				20%			\$ 230,800
SUBTOTAL							\$ 842,400
GRAND TOTAL (ROUNDED)							\$ 1,996,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Grandview Thorpe - GT3
DESCRIPTION: 17th Avenue and D Street Intersection

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 1,365	\$ 1,365
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 455	\$ 455
3			CEMENT CONCRETE SIDEWALK - SPEED HUMP	40	SY	\$ 200	\$ 8,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	92	SF	\$ 12	\$ 1,100
SUBTOTAL							\$ 10,920
CONTINGENCY				40%			\$ 4,370
CONSTRUCTION TOTAL (ROUNDED)							\$ 15,000
PROJECT MANAGEMENT				15%			\$ 2,250
DESIGN				25%			\$ 3,750
CONSTRUCTION MANAGEMENT				20%			\$ 3,000
SUBTOTAL							\$ 9,000
GRAND TOTAL (ROUNDED)							\$ 24,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Grandview Thorpe - GT4</u>	BY: <u>JHK</u>
DESCRIPTION: <u>14th Avenue at Trolley Trail and Fish Lake Trail</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 34,631	\$ 34,631
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 11,544	\$ 11,544
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	44	SY	\$ 75	\$ 3,333
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	50	LF	\$ 140	\$ 7,000
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
7			DRYWELL TYPE 1	1	EA	\$ 15,000	\$ 15,000
8			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500
9			MH OR DW FRAME AND COVER (STANDARD)	2	EA	\$ 1,400	\$ 2,800
10			REMOVE UNSUITABLE FOUNDATION MATERIAL	199	CY	\$ 60	\$ 11,935
11			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	81	SY	\$ 15	\$ 1,208
12			CEMENT CONCRETE DRIVEWAY	81	SY	\$ 200	\$ 16,111
13			CEMENT CONCRETE SIDEWALK	895	SY	\$ 120	\$ 107,413
14			CURB RAMPS	17	SY	\$ 180	\$ 3,000
15			ROADWAY EXCAVATION INCL. HAUL	59	CY	\$ 35	\$ 2,074
16			CEMENT CONCRETE CURB AND GUTTER	700	LF	\$ 70	\$ 49,000
SUBTOTAL							\$ 277,050
CONTINGENCY				40%			\$ 110,820
CONSTRUCTION TOTAL (ROUNDED)							\$ 388,000
				PROJECT MANAGEMENT	15%		\$ 58,200
				DESIGN	25%		\$ 97,000
				CONSTRUCTION MANAGEMENT	20%		\$ 77,600
SUBTOTAL							\$ 232,800
GRAND TOTAL (ROUNDED)							\$ 621,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Grandview Thorpe - GT5b
DESCRIPTION: 21st Avenue and D Street

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 1,000	\$ 1,000
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 500	\$ 500
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 3,000	\$ 3,000
SUBTOTAL							\$ 4,500
CONTINGENCY				40%			\$ 1,800
CONSTRUCTION TOTAL (ROUNDED)							\$ 6,000
PROJECT MANAGEMENT				15%			\$ 900
DESIGN				25%			\$ 1,500
CONSTRUCTION MANAGEMENT				20%			\$ 1,200
SUBTOTAL							\$ 3,600
GRAND TOTAL (ROUNDED)							\$ 10,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Latah Hangman - LAH1</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Lincoln Way from Kip Lane to Willapa Avenue</u>	CHECKED BY: _____
	DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 17,172	\$ 17,172
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 8,586	\$ 8,586
3			TOPSOIL TYPE A, 2 INCH THICK	474	SY	\$ 12	\$ 5,687
4			HYDROSEEDING	474	SY	\$ 20	\$ 9,478
5			CEMENT CONCRETE CURB AND GUTTER	548	LF	\$ 70	\$ 38,360
6			ROADWAY EXCAVATION INCL. HAUL	174	CY	\$ 35	\$ 6,087
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	128	SY	\$ 75	\$ 9,567
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	75	LF	\$ 140	\$ 10,500
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000
10			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
11			MANHOLE - 48 IN.	1	EA	\$ 4,800	\$ 4,800
12			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
13			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
14			DRIVER FEEDBACK SIGN SYSTEM	4	EA	\$ 18,000	\$ 72,000
SUBTOTAL							\$ 197,476
CONTINGENCY				40%			\$ 79,000
CONSTRUCTION TOTAL (ROUNDED)							\$ 276,000
				15%	PROJECT MANAGEMENT		\$ 41,400
				25%	DESIGN		\$ 69,000
				20%	CONSTRUCTION MANAGEMENT		\$ 55,200
SUBTOTAL							\$ 165,600
GRAND TOTAL (ROUNDED)							\$ 442,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Latah Hangman - LAH2a</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Hatch Road from Highland Park Drive to Westchester Drive</u>	CHECKED BY: _____
ASSUMPTIONS:	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 14,595	\$ 14,595
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 9,730	\$ 9,730
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	306	SF	\$ 24	\$ 7,355
4			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 5,000	\$ 5,000
5			CEMENT CONCRETE CURB AND GUTTER	861	LF	\$ 70	\$ 60,270
6			ROADWAY EXCAVATION INCL. HAUL	16	CY	\$ 35	\$ 543
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	96	SY	\$ 75	\$ 7,175
8			REMOVAL OF EXISTING PAVEMENT MARKINGS	120	SF	\$ 4	\$ 480
9			CHANNELIZING DEVICES - TYPE 1	6	EA	\$ 200	\$ 1,200
10			TOPSOIL TYPE A, 2 INCH THICK	41	SY	\$ 12	\$ 497
11			HYDROSEEDING	41	SY	\$ 20	\$ 829
12			TRAFFIC ISLAND CONCRETE	93	SY	\$ 150	\$ 13,950
SUBTOTAL							\$ 121,623
CONTINGENCY				40%			\$ 48,650
CONSTRUCTION TOTAL (ROUNDED)							\$ 170,000
				15%			\$ 25,500
				25%			\$ 42,500
				20%			\$ 34,000
SUBTOTAL							\$ 102,000
GRAND TOTAL (ROUNDED)							\$ 272,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Latah Hangman - LAH3 (2)</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Hatch Road from US-195 to 57th Avenue - Torino Lane</u>	CHECKED BY: _____
	DATE: _____
ASSUMPTIONS: Estimated exposed surface wall height will average 7ft	

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 103,740	\$ 103,740
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 91,535	\$ 91,535
3			CLEARING AND GRUBBING	1	LS	\$ 10,000	\$ 10,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	351	SF	\$ 12	\$ 4,208
5			CEMENT CONCRETE CURB AND GUTTER	1,030	LF	\$ 70	\$ 72,100
6			ROADWAY EXCAVATION INCL. HAUL	420	CY	\$ 35	\$ 14,713
7			HMA CL. 1/2 IN. MEDIUM TRAFFIC, 3 INCH THICK	631	SY	\$ 30	\$ 18,917
8			CRUSHED SURFACING TOP COURSE	70	CY	\$ 83	\$ 5,815
9			RETAINING WALL	7,210	SF	\$ 200	\$ 1,442,000
10			TRAFFIC ISLAND CONCRETE	231	SY	\$ 150	\$ 34,683
11			CHANNELIZING DEVICES - TYPE 1	52	EA	\$ 150	\$ 7,800
SUBTOTAL							\$ 1,805,512
CONTINGENCY				40%			\$ 722,210
CONSTRUCTION TOTAL (ROUNDED)							\$ 2,528,000
				15%			\$ 379,200
				25%			\$ 632,000
				20%			\$ 505,600
SUBTOTAL							\$ 1,516,800
GRAND TOTAL (ROUNDED)							\$ 4,045,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Latah Hangman - LAH3</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Hatch Road from US-195 to 57th Avenue - Blackwood Lane</u>	CHECKED BY: _____
	DATE: _____
ASSUMPTIONS: Estimated exposed surface wall height will average 7ft	

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 98,332	\$ 98,332
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 32,777	\$ 32,777
3			CLEARING AND GRUBBING	1	LS	\$ 10,000	\$ 10,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	1,300	SF	\$ 12	\$ 15,600
5			CEMENT CONCRETE CURB AND GUTTER	2,905	LF	\$ 70	\$ 203,350
6			ROADWAY EXCAVATION INCL. HAUL	663	CY	\$ 35	\$ 23,204
7			HMA CL. 1/2 IN. MEDIUM TRAFFIC, 3 INCH THICK	994	SY	\$ 30	\$ 29,833
8			CRUSHED SURFACING TOP COURSE	110	CY	\$ 83	\$ 9,171
9			RETAINING WALL	11,375	SF	\$ 200	\$ 2,275,000
10			LIGHT POLE INSTALLATION	1	LS	\$ 1,000	\$ 1,000
11			CHANNELIZING DEVICES - TYPE 1	85	EA	\$ 150	\$ 12,750
12			CEMENT CONCRETE SIDEWALK	420	SY	\$ 180	\$ 75,640
SUBTOTAL							\$ 2,786,658
CONTINGENCY				40%			\$ 1,114,670
CONSTRUCTION TOTAL (ROUNDED)							\$ 3,901,000
				15%			\$ 585,150
				25%			\$ 975,250
				20%			\$ 780,200
SUBTOTAL							\$ 2,340,600
GRAND TOTAL (ROUNDED)							\$ 6,242,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Latah Hangman - LAH6b</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Qualchan Drive from Lincoln Way to Cheney-Spokane Road</u>	CHECKED BY: _____
	DATE: _____
ASSUMPTIONS: Wetland mitigation is not included in the project cost estimate	

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 126,645	\$ 126,645
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 42,215	\$ 42,215
3			CLEARING AND GRUBBING	1	LS	\$ 10,000	\$ 10,000
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	569	SY	\$ 75	\$ 42,667
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	640	LF	\$ 140	\$ 89,600
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
7			DRYWELL TYPE 1	1	EA	\$ 15,000	\$ 15,000
8			CATCH BASIN TYPE 1	4	EA	\$ 4,500	\$ 18,000
9			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920
10			MH OR DW FRAME AND COVER (STANDARD)	5	EA	\$ 1,400	\$ 7,000
11			CEMENT CONCRETE CURB AND GUTTER	2,470	LF	\$ 70	\$ 172,900
12			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	94	SY	\$ 15	\$ 1,417
13			CEMENT CONCRETE SIDEWALK	1,373	SY	\$ 120	\$ 164,747
14			ROADWAY EXCAVATION INCL. HAUL	759	CY	\$ 35	\$ 26,548
15			RETAINING WALL	2,450	SF	\$ 120	\$ 294,000
SUBTOTAL							\$ 1,013,158
CONTINGENCY				40%			\$ 405,270
CONSTRUCTION TOTAL (ROUNDED)							\$ 1,418,000
POSSIBLE WETLAND MITIGATION							\$ 100,000
				15%			\$ 212,700
				25%			\$ 354,500
				20%			\$ 283,600
SUBTOTAL							\$ 950,800
GRAND TOTAL (ROUNDED)							\$ 2,369,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Lincoln Heights - LIH1b
DESCRIPTION: 17th Avenue from Perry Street to Fiske Street

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 40,465	\$ 40,465
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 13,488	\$ 13,488
3			CEMENT CONCRETE SIDEWALK	547	SY	\$ 160	\$ 87,556
4			TRAFFIC CIRCLE COLORED CONCRETE	27	SY	\$ 250	\$ 6,750
5			CURB RAMPS	42	SY	\$ 180	\$ 7,600
6			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	83	SY	\$ 15	\$ 1,250
7			ROADWAY EXCAVATION INCLUDING HAUL	380	CY	\$ 35	\$ 13,303
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	388	SY	\$ 75	\$ 29,100
9			CATCH BASIN DI SEWER PIPE 8IN. DIA.	291	LF	\$ 140	\$ 40,740
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	6	EA	\$ 1,500	\$ 9,000
11			CATCH BASIN TYPE 1	6	EA	\$ 4,500	\$ 27,000
12			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	6	EA	\$ 920	\$ 5,520
13			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
14			LIGHT POLE INSTALLATION	1	LS	\$ 1,000	\$ 1,000
15			CEMENT CONCRETE CURB AND GUTTER	565	LF	\$ 70	\$ 39,550
SUBTOTAL							\$ 323,722
CONTINGENCY				40%			\$ 129,490
CONSTRUCTION TOTAL (ROUNDED)							\$ 453,000
PROJECT MANAGEMENT				15%			\$ 67,950
DESIGN				25%			\$ 113,250
CONSTRUCTION MANAGEMENT				20%			\$ 90,600
SUBTOTAL							\$ 271,800
GRAND TOTAL (ROUNDED)							\$ 725,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Lincoln Heights - LIH3	BY: JHK
DESCRIPTION: Rockwood Retirement to Lincoln Heights Shopping Center	CHECKED BY:
ASSUMPTIONS:	DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 13,067	\$ 13,067
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 4,356	\$ 4,356
3			CEMENT CONCRETE SIDEWALK	258	SY	\$ 160	\$ 41,244
4			CEMENT CONCRETE DRIVEWAY	27	SY	\$ 200	\$ 5,333
5			CSTC FOR SIDEWALK AND DRIVEWAYS	16	CY	\$ 150	\$ 2,370
6			REMOVE UNSUITABLE FOUNDATION MATERIAL	63	CY	\$ 66	\$ 4,172
7			CLEARING AND GRUBBING	1	LS	\$ 12,000	\$ 12,000
8			REMOVAL OF STRUCTURE AND OBSTRUCTION	1	LS	\$ 3,000	\$ 3,000
9			GRADING AND SHAPING	1	LS	\$ 5,000	\$ 5,000
10			TOPSOIL TYPE A, 2 INCH THICK	64	SY	\$ 12	\$ 773
11			HYDROSEEDING	64	SY	\$ 20	\$ 1,289
12			SOD INSTALLATION	64	SY	\$ 30	\$ 1,933
13			REMOVE TREE, CLASS II	5	EA	\$ 2,000	\$ 10,000
SUBTOTAL							\$ 104,539
CONTINGENCY				40%			\$ 41,820
CONSTRUCTION TOTAL (ROUNDED)							\$ 146,000
PROJECT MANAGEMENT				15%			\$ 21,900
DESIGN				25%			\$ 36,500
CONSTRUCTION MANAGEMENT				20%			\$ 29,200
SUBTOTAL							\$ 87,600
GRAND TOTAL (ROUNDED)							\$ 234,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Lincoln Heights - LIH1a</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Ray Street from 21st Avenue to 23rd Avenue</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 39,200	\$ 39,200
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 13,067	\$ 13,067
3			CEMENT CONCRETE SIDEWALK	701	SY	\$ 120	\$ 84,133
4			CURB RAMPS	16	SY	\$ 180	\$ 2,820
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	220	SF	\$ 12	\$ 2,640
6			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	362	SY	\$ 15	\$ 5,430
7			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 4,200	\$ 4,200
8			IMPORTED BACKFILL	2,480	CY	\$ 35	\$ 86,800
9			STEEL PIPE RAILING	620	LF	\$ 240	\$ 148,800
10			TOPSOIL TYPE A, 2 INCH THICK	337	SY	\$ 12	\$ 4,049
11			HYDROSEEDING	337	SY	\$ 20	\$ 6,749
12			PEDESTRIAN HYBRID BEACON SYSTEM	1	LS	\$ 170,000	\$ 170,000
13			CEMENT CONCRETE CURB AND GUTTER	653	LF	\$ 70	\$ 45,710
SUBTOTAL							\$ 613,598
CONTINGENCY				40%			\$ 245,440
CONSTRUCTION TOTAL (ROUNDED)							\$ 859,000
				PROJECT MANAGEMENT	15%		\$ 128,850
				DESIGN	25%		\$ 214,750
				CONSTRUCTION MANAGEMENT	20%		\$ 171,800
SUBTOTAL							\$ 515,400
GRAND TOTAL (ROUNDED)							\$ 1,374,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Lincoln Heights - LIH2
DESCRIPTION: Ray Street and 25th Avenue Lincoln Heights Reservoir Tank

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 2,432	\$ 2,432
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 811	\$ 811
3			CEMENT CONCRETE SIDEWALK	42	SY	\$ 160	\$ 6,684
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	42	SY	\$ 15	\$ 627
5			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 4,000	\$ 4,000
6			CEMENT CONCRETE CURB AND GUTTER	70	LF	\$ 70	\$ 4,900
SUBTOTAL							\$ 19,453
CONTINGENCY				40%			\$ 7,790
CONSTRUCTION TOTAL (ROUNDED)							\$ 27,000
PROJECT MANAGEMENT				15%			\$ 4,050
DESIGN				25%			\$ 6,750
CONSTRUCTION MANAGEMENT				20%			\$ 5,400
SUBTOTAL							\$ 16,200
GRAND TOTAL (ROUNDED)							\$ 43,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Lincoln Heights - LIH4a
DESCRIPTION: 29th Avenue at Fiske Street and Mt Vernon Street Intersections

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 25,860	\$ 25,860
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 8,620	\$ 8,620
3			PEDESTRIAN HYBRID BEACON SYSTEM	1	LS	\$ 170,000	\$ 170,000
4			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,200	\$ 1,200
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	100	SF	\$ 12	\$ 1,200
SUBTOTAL							\$ 206,880
CONTINGENCY				40%			\$ 82,760
CONSTRUCTION TOTAL (ROUNDED)							\$ 290,000
PROJECT MANAGEMENT				15%			\$ 43,500
DESIGN				25%			\$ 72,500
CONSTRUCTION MANAGEMENT				20%			\$ 58,000
SUBTOTAL							\$ 174,000
GRAND TOTAL (ROUNDED)							\$ 464,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Manito-Cannon Hill - MCH2a</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Grand Boulevard from 17th Avenue to 29th Avenue</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 66,870	\$ 66,870
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 22,290	\$ 22,290
3			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 52,500	\$ 52,500
4			ROADWAY EXCAVATION INCLUDING HAUL	278	CY	\$ 35	\$ 9,713
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	251	SY	\$ 75	\$ 18,817
6			CATCH BASIN DI SEWER PIPE 8IN. DIA.	176	LF	\$ 140	\$ 24,640
7			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	4	EA	\$ 1,500	\$ 6,000
8			CATCH BASIN TYPE 1	4	EA	\$ 4,500	\$ 18,000
9			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	5	EA	\$ 920	\$ 4,600
10			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
11			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	491	SY	\$ 15	\$ 7,360
12			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,000	\$ 1,000
13			TRAFFIC ISLAND CONCRETE	31	SY	\$ 150	\$ 4,650
14			REMOVAL OF EXISTING PAVEMENT MARKINGS	2,500	SF	\$ 4	\$ 10,000
15			PAVEMENT MARKING - DURABLE HEAT APPLIED	10,227	SF	\$ 12	\$ 122,725
16			CURB RAMPS	85	SY	\$ 180	\$ 15,360
17			TOPSOIL TYPE A, 2 INCH THICK	323	SY	\$ 12	\$ 3,873
18			HYDROSEEDING	323	SY	\$ 20	\$ 6,456
19			CEMENT CONCRETE DRIVEWAY	116	SY	\$ 200	\$ 23,111
20			CEMENT CONCRETE SIDEWALK	304	SY	\$ 160	\$ 48,676
21			CEMENT CONCRETE CURB AND GUTTER	1,706	LF	\$ 70	\$ 119,420
SUBTOTAL							\$ 587,461
CONTINGENCY				40%			\$ 234,990
CONSTRUCTION TOTAL (ROUNDED)							\$ 822,000
				15%			\$ 123,300
				25%			\$ 205,500
				20%			\$ 164,400
SUBTOTAL							\$ 493,200
GRAND TOTAL (ROUNDED)							\$ 1,315,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Manito-Cannon Hill - MCH2b
DESCRIPTION: Bernard Street from 19th Avenue to 21st Avenue

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 30,119	\$ 30,119
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,040	\$ 10,040
3			ROADWAY EXCAVATION INCLUDING HAUL	222	CY	\$ 35	\$ 7,776
4			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	145	SY	\$ 75	\$ 10,867
5			CATCH BASIN DI SEWER PIPE 8IN. DIA.	163	LF	\$ 140	\$ 22,820
6			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	5	EA	\$ 1,500	\$ 7,500
7			CATCH BASIN TYPE 1	6	EA	\$ 4,500	\$ 27,000
8			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	6	EA	\$ 920	\$ 5,520
9			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
10			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	327	SY	\$ 15	\$ 4,900
11			PAVEMENT MARKING - DURABLE HEAT APPLIED	160	SF	\$ 12	\$ 1,920
12			CURB RAMPS	100	SY	\$ 180	\$ 18,000
13			TOPSOIL TYPE A, 2 INCH THICK	157	SY	\$ 12	\$ 1,881
14			HYDROSEEDING	157	SY	\$ 20	\$ 3,136
15			CEMENT CONCRETE SIDEWALK	336	SY	\$ 160	\$ 53,707
16			CEMENT CONCRETE CURB AND GUTTER	491	LF	\$ 70	\$ 34,370
SUBTOTAL							\$ 240,955
CONTINGENCY				40%			\$ 96,390
CONSTRUCTION TOTAL (ROUNDED)							\$ 337,000
PROJECT MANAGEMENT				15%			\$ 50,550
DESIGN				25%			\$ 84,250
CONSTRUCTION MANAGEMENT				20%			\$ 67,400
SUBTOTAL							\$ 202,200
GRAND TOTAL (ROUNDED)							\$ 539,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Manito-Cannon Hill - MCH1
DESCRIPTION: 25th Avenue from Browne Street to Division Street

BY: DRV
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 21,162	\$ 21,162
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 7,054	\$ 7,054
3			CEMENT CONCRETE SIDEWALK	167	SY	\$ 160	\$ 26,667
4			CURB RAMPS	17	SY	\$ 180	\$ 3,000
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	67	SF	\$ 12	\$ 800
6			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	161	SY	\$ 15	\$ 2,417
7			TOPSOIL TYPE A, 2 INCH THICK	63	SY	\$ 12	\$ 760
8			HYDROSEEDING	63	SY	\$ 20	\$ 1,267
9			CATCH BASIN DI SEWER PIPE 8IN. DIA.	160	LF	\$ 140	\$ 22,400
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	4	EA	\$ 1,500	\$ 6,000
11			CATCH BASIN TYPE 1	4	EA	\$ 4,500	\$ 18,000
12			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
13			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC 4 INCH THICK	142	SY	\$ 75	\$ 10,667
14			ROADWAY EXCAVATION INCL. HAUL	212	CY	\$ 75	\$ 15,870
15			CEMENT CONCRETE DRIVEWAY	15	SY	\$ 200	\$ 3,044
16			CEMENT CONCRETE CURB AND GUTTER	405	LF	\$ 70	\$ 28,350
SUBTOTAL							\$ 169,298
CONTINGENCY				40%			\$ 67,720
CONSTRUCTION TOTAL (ROUNDED)							\$ 237,000
PROJECT MANAGEMENT				15%			\$ 35,550
DESIGN				25%			\$ 59,250
CONSTRUCTION MANAGEMENT				20%			\$ 47,400
SUBTOTAL							\$ 142,200
GRAND TOTAL (ROUNDED)							\$ 379,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Manito-Cannon Hill - MCH3
DESCRIPTION: 29th Avenue from High Drive to Madison Street

BY: DRV
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 8,863	\$ 8,863	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,954	\$ 2,954	
3			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000	
4			REMOVAL OF EXISTING PAVEMENT MARKINGS	849	SF	\$ 4	\$ 3,396	
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	662	SF	\$ 12	\$ 7,940	
6			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	24	SY	\$ 15	\$ 367	
7			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,000	\$ 1,000	
8			TOPSOIL TYPE A, 2 INCH THICK	50	SY	\$ 12	\$ 600	
9			HYDROSEEDING	50	SY	\$ 20	\$ 1,000	
10			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC 4 INCH THICK	77	SY	\$ 75	\$ 5,783	
11			ROADWAY EXCAVATION INCL. HAUL	38	CY	\$ 75	\$ 2,841	
12			CEMENT CONCRETE DRIVEWAY	56	SY	\$ 200	\$ 11,111	
13			CEMENT CONCRETE CURB AND GUTTER	315	LF	\$ 70	\$ 22,050	
							SUBTOTAL	\$ 70,905
CONTINGENCY				40%			\$ 28,370	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 99,000
PROJECT MANAGEMENT				15%			\$ 14,850	
DESIGN				25%			\$ 24,750	
CONSTRUCTION MANAGEMENT				20%			\$ 19,800	
							SUBTOTAL	\$ 59,400
							GRAND TOTAL (ROUNDED)	\$ 158,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Manito-Cannon Hill - MCH5b
DESCRIPTION: 28th Avenue from Madison Street to Howard Street

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 30,544	\$ 30,544
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,181	\$ 10,181
3			ROADWAY EXCAVATION INCLUDING HAUL	56	CY	\$ 35	\$ 1,944
4			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	30	SY	\$ 15	\$ 450
5			CURB RAMPS	29	SY	\$ 180	\$ 5,140
6			TOPSOIL TYPE A, 2 INCH THICK	143	SY	\$ 12	\$ 1,713
7			HYDROSEEDING	143	SY	\$ 20	\$ 2,856
8			CEMENT CONCRETE SIDEWALK	805	SY	\$ 160	\$ 128,800
9			CEMENT CONCRETE CURB AND GUTTER	896	LF	\$ 70	\$ 62,720
SUBTOTAL							\$ 244,348
CONTINGENCY				40%			\$ 97,740
CONSTRUCTION TOTAL (ROUNDED)							\$ 342,000
PROJECT MANAGEMENT				15%			\$ 51,300
DESIGN				25%			\$ 85,500
CONSTRUCTION MANAGEMENT				20%			\$ 68,400
SUBTOTAL							\$ 205,200
GRAND TOTAL (ROUNDED)							\$ 547,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Peaceful Valley - PV2
DESCRIPTION: Clarke Avenue from Riverside Avenue to Ash Street

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 10,573	\$ 10,573
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,524	\$ 3,524
3			CEMENT CONCRETE SIDEWALK	8	SY	\$ 160	\$ 1,333
4			CEMENT CONCRETE CURB AND GUTTER	162	LF	\$ 70	\$ 11,340
5			COS CURB DROP INLET	3	EA	\$ 600	\$ 1,800
6			TOPSOIL TYPE A, 2 INCH THICK	127	SY	\$ 12	\$ 1,520
7			HYDROSEEDING	127	SY	\$ 20	\$ 2,533
8			ELECTRICAL SERVICE CABINET	1	EA	\$ 15,000	\$ 15,000
9			DRIVER FEEDBACK SIGN SYSTEM	2	EA	\$ 18,000	\$ 36,000
10			PAVEMENT MARKING - DURABLE HEAT APPLIED	80	SF	\$ 12	\$ 960
SUBTOTAL							\$ 84,584
CONTINGENCY				40%			\$ 33,840
CONSTRUCTION TOTAL (ROUNDED)							\$ 118,000
PROJECT MANAGEMENT				15%			\$ 17,700
DESIGN				25%			\$ 29,500
CONSTRUCTION MANAGEMENT				20%			\$ 23,600
SUBTOTAL							\$ 70,800
GRAND TOTAL (ROUNDED)							\$ 189,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Peaceful Valley - PV1
DESCRIPTION: Main Avenue and Cedar Street

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 1,500	\$ 1,500
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,000	\$ 1,000
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 6,300	\$ 6,300
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	251	SF	\$ 12	\$ 3,008
SUBTOTAL							\$ 11,808
CONTINGENCY				40%			\$ 4,730
CONSTRUCTION TOTAL (ROUNDED)							\$ 17,000
PROJECT MANAGEMENT				15%			\$ 2,550
DESIGN				25%			\$ 4,250
CONSTRUCTION MANAGEMENT				20%			\$ 3,400
SUBTOTAL							\$ 10,200
GRAND TOTAL (ROUNDED)							\$ 27,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Peaceful Valley - PV4c	BY: JHK
DESCRIPTION: Spruce Street Stairs	CHECKED BY:
ASSUMPTIONS:	DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 31,093	\$ 31,093	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,364	\$ 10,364	
3			CLEARING AND GRUBBING	1	LS	\$ 10,000	\$ 10,000	
4			LANDSCAPING	1	LS	\$ 50,000	\$ 50,000	
5			REPLACE EXISTING STRUCTURE	1	LS	\$ 500,000	\$ 500,000	
6			LIGHT POLE INSTALLATION	10	EA	\$ 15,000	\$ 150,000	
7			ELECTRICAL SERVICE CABINET	1	EA	\$ 15,000	\$ 15,000	
8			ROADWAY EXCAVATION INCL. HAUL	33	CY	\$ 75	\$ 2,450	
9			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	21	SY	\$ 75	\$ 1,600	
10			CEMENT CONCRETE SIDEWALK	126	SY	\$ 160	\$ 20,107	
11			CEMENT CONCRETE CURB AND GUTTER	212	LF	\$ 70	\$ 14,840	
12			CEMENT CONCRETE DRIVEWAY	6	SY	\$ 200	\$ 1,289	
13			CURB RAMPS	11	SY	\$ 180	\$ 2,000	
SUBTOTAL							\$ 808,743	
CONTINGENCY				40%			\$ 323,500	
CONSTRUCTION TOTAL (ROUNDED)							\$ 1,132,000	
				PROJECT MANAGEMENT	15%			\$ 169,800
				DESIGN	25%			\$ 283,000
				CONSTRUCTION MANAGEMENT	20%			\$ 226,400
SUBTOTAL							\$ 679,200	
GRAND TOTAL (ROUNDED)							\$ 1,811,000	



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Peaceful Valley - PV4b

DESCRIPTION: Cedar Street Stairs

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 231	\$ 231
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 77	\$ 77
3			CLEARING AND GRUBBING	1	LS	\$ 9,000	\$ 9,000
4			REMOVE TREE, CLASS II	8	EA	\$ 2,000	\$ 16,000
5			LANDSCAPING	1	LS	\$ 50,000	\$ 50,000
6			MODIFY EXISTING STRUCTURE	1	LS	\$ 400,000	\$ 400,000
7			LIGHT POLE INSTALLATION	5	EA	\$ 15,000	\$ 75,000
8			ELECTRICAL SERVICE CABINET	1	EA	\$ 15,000	\$ 15,000
9			REMOVE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
10			CEMENT CONCRETE SIDEWALK	21	SY	\$ 160	\$ 3,289
11			CEMENT CONCRETE CURB AND GUTTER	42	LF	\$ 70	\$ 2,940
12			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	21	SY	\$ 15	\$ 308
SUBTOTAL							\$ 576,845
CONTINGENCY				40%			\$ 230,740
CONSTRUCTION TOTAL (ROUNDED)							\$ 808,000
PROJECT MANAGEMENT				15%			\$ 121,200
DESIGN				25%			\$ 202,000
CONSTRUCTION MANAGEMENT				20%			\$ 161,600
SUBTOTAL							\$ 484,800
GRAND TOTAL (ROUNDED)							\$ 1,293,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Peaceful Valley - PV6
DESCRIPTION: Maple Street and Main Avenue
ASSUMPTIONS:

BY: JHK
CHECKED BY:
DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 7,612	\$ 7,612
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,537	\$ 2,537
3			REMOVE TREE, CLASS II	3	EA	\$ 2,000	\$ 6,000
4			CEMENT CONCRETE SIDEWALK	31	SY	\$ 160	\$ 4,942
5			ROADWAY EXCAVATION INCL. HAUL	52	CY	\$ 75	\$ 3,931
6			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	52	SY	\$ 75	\$ 3,917
7			CATCH BASIN DI SEWER PIPE 8IN. DIA.	72	LF	\$ 140	\$ 10,080
8			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
9			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
10			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920
11			MH OR DW FRAME AND COVER (STANDARD)	2	EA	\$ 1,400	\$ 2,800
12			CURB RAMPS	15	SY	\$ 180	\$ 2,760
13			TOPSOIL TYPE A, 2 INCH THICK	18	SY	\$ 12	\$ 211
14			HYDROSEEDING	18	SY	\$ 20	\$ 351
15			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	22	SY	\$ 15	\$ 333
16			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,000	\$ 1,000
SUBTOTAL							\$ 60,895
CONTINGENCY				40%			\$ 24,360
CONSTRUCTION TOTAL (ROUNDED)							\$ 85,000
PROJECT MANAGEMENT				15%			\$ 12,750
DESIGN				25%			\$ 21,250
CONSTRUCTION MANAGEMENT				20%			\$ 17,000
SUBTOTAL							\$ 51,000
GRAND TOTAL (ROUNDED)							\$ 136,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Riverside - RS1

DESCRIPTION: Riverside and Stevens Street Intersection

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 6,750	\$ 6,750
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,250	\$ 2,250
3			CONTROLLER CABINET	1	EA	\$ 25,000	\$ 25,000
4			CABINET FOUNDATION	1	EA	\$ 5,000	\$ 5,000
5			ELECTRICAL SERVICE CABINET	1	EA	\$ 15,000	\$ 15,000
SUBTOTAL							\$ 54,000
CONTINGENCY				40%			\$ 21,600
CONSTRUCTION TOTAL (ROUNDED)							\$ 76,000
PROJECT MANAGEMENT				15%			\$ 11,400
DESIGN				25%			\$ 19,000
CONSTRUCTION MANAGEMENT				20%			\$ 15,200
SUBTOTAL							\$ 45,600
GRAND TOTAL (ROUNDED)							\$ 122,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Riverside - RS2</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Second Avenue and Browne Street Intersection</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 23,508	\$ 23,508
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 9,403	\$ 9,403
3			CEMENT CONCRETE SIDEWALK	73	SY	\$ 160	\$ 11,733
4			ROADWAY EXCAVATION INCL. HAUL	75	CY	\$ 75	\$ 5,639
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	44	SY	\$ 75	\$ 3,333
6			CATCH BASIN DI SEWER PIPE 8IN. DIA.	50	LF	\$ 140	\$ 7,000
7			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
8			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
9			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
10			MH OR DW FRAME AND COVER (STANDARD)	4	EA	\$ 1,400	\$ 5,600
11			CURB RAMPS	22	SY	\$ 180	\$ 4,000
12			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	53	SY	\$ 15	\$ 797
9			CEMENT CONCRETE CURB AND GUTTER	12	LF	\$ 70	\$ 840
13			CONTROLLER MODIFICATION	1	EA	\$ 10,000	\$ 10,000
14			CABINET FOUNDATION	1	EA	\$ 5,000	\$ 5,000
15			ELECTRICAL SERVICE CABINET	1	EA	\$ 15,000	\$ 15,000
16			CEMENT CONCRETE CURB AND GUTTER	75	LF	\$ 70	\$ 5,250
SUBTOTAL							\$ 126,944
CONTINGENCY				40%			\$ 50,780
CONSTRUCTION TOTAL (ROUNDED)							\$ 178,000
				15%			\$ 26,700
				25%			\$ 44,500
				20%			\$ 35,600
SUBTOTAL							\$ 106,800
GRAND TOTAL (ROUNDED)							\$ 285,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Riverside - RS3
DESCRIPTION: Third Avenue and Division Street Intersection

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 4,500	\$ 4,500
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,500	\$ 1,500
3			CONTROLLER MODIFICATION	1	EA	\$ 10,000	\$ 10,000
4			CABINET FOUNDATION	1	EA	\$ 5,000	\$ 5,000
5			ELECTRICAL SERVICE CABINET	1	EA	\$ 15,000	\$ 15,000
SUBTOTAL							\$ 36,000
CONTINGENCY				40%			\$ 14,400
CONSTRUCTION TOTAL (ROUNDED)							\$ 50,000
PROJECT MANAGEMENT				15%			\$ 7,500
DESIGN				25%			\$ 12,500
CONSTRUCTION MANAGEMENT				20%			\$ 10,000
SUBTOTAL							\$ 30,000
GRAND TOTAL (ROUNDED)							\$ 80,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Riverside - RS4</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Third Avenue and Howard Street Intersection</u>	CHECKED BY: _____
ASSUMPTIONS:	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 11,585	\$ 11,585
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,862	\$ 3,862
3			CEMENT CONCRETE SIDEWALK	71	SY	\$ 160	\$ 11,289
4			ROADWAY EXCAVATION INCL. HAUL	38	CY	\$ 75	\$ 2,843
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	44	SY	\$ 75	\$ 3,333
6			CATCH BASIN DI SEWER PIPE 8IN. DIA.	50	LF	\$ 140	\$ 7,000
7			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
8			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
9			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920
10			MH OR DW FRAME AND COVER (STANDARD)	3	EA	\$ 1,400	\$ 4,200
11			CURB RAMPS	22	SY	\$ 180	\$ 4,000
12			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	53	SY	\$ 15	\$ 800
13			CONTROLLER CABINET	1	EA	\$ 25,000	\$ 25,000
14			CEMENT CONCRETE CURB AND GUTTER	105	LF	\$ 70	\$ 7,350
SUBTOTAL							\$ 92,682
CONTINGENCY				40%			\$ 37,080
CONSTRUCTION TOTAL (ROUNDED)							\$ 130,000
				PROJECT MANAGEMENT	15%		\$ 19,500
				DESIGN	25%		\$ 32,500
				CONSTRUCTION MANAGEMENT	20%		\$ 26,000
SUBTOTAL							\$ 78,000
GRAND TOTAL (ROUNDED)							\$ 208,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Riverside - RS5</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Pacific Avenue and Browne Street Intersection</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 12,848	\$ 12,848
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 4,283	\$ 4,283
3			CEMENT CONCRETE SIDEWALK	148	SY	\$ 160	\$ 23,609
4			ROADWAY EXCAVATION INCL. HAUL	136	CY	\$ 75	\$ 10,178
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	89	SY	\$ 75	\$ 6,667
6			CURB RAMPS	22	SY	\$ 180	\$ 4,000
7			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	67	SY	\$ 15	\$ 1,000
8			PAVEMENT MARKING - DURABLE HEAT APPLIED	133	SF	\$ 12	\$ 1,600
9			CEMENT CONCRETE CURB AND GUTTER	180	LF	\$ 70	\$ 12,600
10			CATCH BASIN DI SEWER PIPE 8IN. DIA.	100	LF	\$ 140	\$ 14,000
11			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000
12			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
SUBTOTAL							\$ 102,784
CONTINGENCY				40%			\$ 41,120
CONSTRUCTION TOTAL (ROUNDED)							\$ 144,000
PROJECT MANAGEMENT				15%			\$ 21,600
DESIGN				25%			\$ 36,000
CONSTRUCTION MANAGEMENT				20%			\$ 28,800
SUBTOTAL							\$ 86,400
GRAND TOTAL (ROUNDED)							\$ 230,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Rockwood - RW1b
DESCRIPTION: Rockwood Boulevard and 10th Avenue/Sumner Avenue Intersection

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 26,695	\$ 26,695
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 13,347	\$ 13,347
3			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000
4			TOPSOIL TYPE A, 2 INCH THICK	215	SY	\$ 12	\$ 2,581
5			HYDROSEEDING	215	SY	\$ 20	\$ 4,302
4			TOPSOIL FOR BIO-INFILTRATION SWALES, 6 INCH THICK INCL. SE	457	SY	\$ 20	\$ 9,133
5			CONSTRUCT BIO-INFILTRATION SWALE	457	SY	\$ 25	\$ 11,417
6			PAVEMENT MARKING - DURABLE HEAT APPLIED	869	SF	\$ 12	\$ 10,432
7			CEMENT CONCRETE CURB AND GUTTER	964	LF	\$ 70	\$ 67,480
8			CEMENT CONCRETE SIDEWALK	212	SY	\$ 160	\$ 33,849
9			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	422	SY	\$ 15	\$ 6,333
10			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	160	SY	\$ 75	\$ 12,000
11			CATCH BASIN DI SEWER PIPE 8IN. DIA.	323	LF	\$ 140	\$ 45,220
12			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	7	EA	\$ 1,500	\$ 10,500
13			CATCH BASIN TYPE 1	7	EA	\$ 4,500	\$ 31,500
14			MH OR DW FRAME AND COVER (STANDARD)	4	EA	\$ 1,400	\$ 5,600
15			CURB RAMPS	36	SY	\$ 180	\$ 6,500
16			ROADWAY EXCAVATION INCL. HAUL	203	CY	\$ 35	\$ 7,102
SUBTOTAL							\$ 306,992
CONTINGENCY				40%			\$ 122,800
CONSTRUCTION TOTAL (ROUNDED)							\$ 430,000
PROJECT MANAGEMENT				15%			\$ 64,500
DESIGN				25%			\$ 107,500
CONSTRUCTION MANAGEMENT				20%			\$ 86,000
SUBTOTAL							\$ 258,000
GRAND TOTAL (ROUNDED)							\$ 688,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Rockwood - RW3a
DESCRIPTION: Rockwood Boulevard and 11th Avenue

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 3,720	\$ 3,720
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,860	\$ 1,860
3			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000
4			TOPSOIL TYPE A, 2 INCH THICK	93	SY	\$ 12	\$ 1,121
5			HYDROSEEDING	93	SY	\$ 20	\$ 1,869
6			PAVEMENT MARKING - DURABLE HEAT APPLIED	115	SF	\$ 12	\$ 1,376
7			CEMENT CONCRETE CURB AND GUTTER	210	LF	\$ 70	\$ 14,700
8			CEMENT CONCRETE SIDEWALK	69	SY	\$ 160	\$ 11,040
9			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	67	SY	\$ 15	\$ 1,000
10			CURB RAMPS	11	SY	\$ 180	\$ 2,000
11			ROADWAY EXCAVATION INCL. HAUL	16	CY	\$ 70	\$ 1,090
SUBTOTAL							\$ 42,776
CONTINGENCY				40%			\$ 17,120
CONSTRUCTION TOTAL (ROUNDED)							\$ 60,000
PROJECT MANAGEMENT				15%			\$ 9,000
DESIGN				25%			\$ 15,000
CONSTRUCTION MANAGEMENT				20%			\$ 12,000
SUBTOTAL							\$ 36,000
GRAND TOTAL (ROUNDED)							\$ 96,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Southgate - SG1</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Freya Street and 44th Avenue Intersection</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 8,868	\$ 8,868
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 6,208	\$ 6,208
3			CLEARING AND GRUBBING	1	LS	\$ 5,000	\$ 5,000
4			CEMENT CONCRETE CURB	277	LF	\$ 51	\$ 14,127
5			CEMENT CONCRETE SIDEWALK	322	SY	\$ 160	\$ 51,591
6			CURB RAMPS	11	SY	\$ 180	\$ 2,000
7			REMOVE UNSUITABLE FOUNDATION MATERIAL	118	CY	\$ 66	\$ 7,764
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	31	SY	\$ 75	\$ 2,308
9			POROUS HMA 4 INCH THICK	207	SY	\$ 23	\$ 4,758
10			ROADWAY EXCAVATION INCL. HAUL	32	CY	\$ 35	\$ 1,134
SUBTOTAL							\$ 103,759
CONTINGENCY				40%			\$ 41,510
CONSTRUCTION TOTAL (ROUNDED)							\$ 145,000
PROJECT MANAGEMENT				15%			\$ 21,750
DESIGN				25%			\$ 36,250
CONSTRUCTION MANAGEMENT				20%			\$ 29,000
SUBTOTAL							\$ 87,000
GRAND TOTAL (ROUNDED)							\$ 232,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Southgate - SG2

DESCRIPTION: Freya Street from 46th Court to Palouse Highway

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 23,690	\$ 23,690
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 11,845	\$ 11,845
3			CLEARING AND GRUBBING	1	LS	\$ 5,000	\$ 5,000
4			CEMENT CONCRETE CURB AND GUTTER	1,071	LF	\$ 70	\$ 74,970
5			CEMENT CONCRETE SIDEWALK	570	SY	\$ 120	\$ 68,347
6			CEMENT CONCRETE DRIVEWAY	84	SY	\$ 200	\$ 16,800
7			REMOVE UNSUITABLE FOUNDATION MATERIAL	199	CY	\$ 66	\$ 13,141
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	175	SY	\$ 75	\$ 13,125
9			CATCH BASIN DI SEWER PIPE 8IN. DIA.	63	LF	\$ 140	\$ 8,820
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
11			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
12			MH OR DW FRAME AND COVER (STANDARD)	3	EA	\$ 1,400	\$ 4,200
13			CURB RAMPS	28	SY	\$ 160	\$ 4,444
14			AGGREGATE TOP DRESSING	232	SY	\$ 32	\$ 7,435
15			ROADWAY EXCAVATION INCL. HAUL	75	CY	\$ 35	\$ 2,613
SUBTOTAL							\$ 272,430
CONTINGENCY				40%			\$ 108,980
CONSTRUCTION TOTAL (ROUNDED)							\$ 381,000
PROJECT MANAGEMENT				15%			\$ 57,150
DESIGN				25%			\$ 95,250
CONSTRUCTION MANAGEMENT				20%			\$ 76,200
SUBTOTAL							\$ 228,600
GRAND TOTAL (ROUNDED)							\$ 610,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Southgate - SG7
 DESCRIPTION: 37th Avenue and Napa Street Intersection
 ASSUMPTIONS:

BY: JHK
 CHECKED BY: _____
 DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 4,000	\$ 4,000	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,000	\$ 2,000	
3			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 40,000	\$ 40,000	
							SUBTOTAL	\$ 46,000
CONTINGENCY				40%			\$ 18,400	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 64,000
PROJECT MANAGEMENT				15%			\$ 9,600	
DESIGN				25%			\$ 16,000	
CONSTRUCTION MANAGEMENT				20%			\$ 12,800	
							SUBTOTAL	\$ 38,400
							GRAND TOTAL (ROUNDED)	\$ 102,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Southgate - SG3

DESCRIPTION: Palouse Highway from Ferrall Street to Clare View South

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 19,808	\$ 19,808	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 9,904	\$ 9,904	
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000	
4			CEMENT CONCRETE CURB	1,180	LF	\$ 51	\$ 60,180	
5			CEMENT CONCRETE CURB AND GUTTER	75	LF	\$ 70	\$ 5,250	
6			CEMENT CONCRETE SIDEWALK	644	SY	\$ 120	\$ 77,333	
7			CEMENT CONCRETE DRIVEWAY	63	SY	\$ 200	\$ 12,533	
8			CURB RAMPS	8	SY	\$ 180	\$ 1,460	
9			TOPSOIL TYPE A, 2 INCH THICK	577	SY	\$ 12	\$ 6,929	
10			HYDROSEEDING	577	SY	\$ 20	\$ 11,549	
11			REMOVE UNSUITABLE FOUNDATION MATERIAL	218	CY	\$ 66	\$ 14,356	
12			ROADWAY EXCAVATION INCL. HAUL	71	CY	\$ 35	\$ 2,489	
							SUBTOTAL	\$ 227,792
CONTINGENCY				40%			\$ 91,120	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 319,000
PROJECT MANAGEMENT				15%			\$ 47,850	
DESIGN				25%			\$ 79,750	
CONSTRUCTION MANAGEMENT				20%			\$ 63,800	
							SUBTOTAL	\$ 191,400
							GRAND TOTAL (ROUNDED)	\$ 510,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Southgate - SG5
DESCRIPTION: 44th Avenue from Altamont Street to Cook Street

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 10,609	\$ 10,609	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 5,305	\$ 5,305	
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000	
4			CEMENT CONCRETE CURB	258	LF	\$ 70	\$ 18,060	
5			CEMENT CONCRETE SIDEWALK	254	SY	\$ 180	\$ 45,680	
6			CEMENT CONCRETE DRIVEWAY	128	SY	\$ 200	\$ 25,667	
7			CURB RAMPS	6	SY	\$ 160	\$ 889	
8			TOPSOIL TYPE A, 2 INCH THICK	113	SY	\$ 12	\$ 1,353	
9			HYDROSEEDING	113	SY	\$ 20	\$ 2,256	
10			REMOVAL OF EXISTING PAVEMENT MARKINGS	150	SF	\$ 4	\$ 600	
11			PAVEMENT MARKING - DURABLE HEAT APPLIED	225	SF	\$ 12	\$ 2,700	
12			ROADWAY EXCAVATION INCL. HAUL	82	CY	\$ 35	\$ 2,887	
							SUBTOTAL	\$ 122,005
CONTINGENCY				40%			\$ 48,810	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 171,000
PROJECT MANAGEMENT				15%			\$ 25,650	
DESIGN				25%			\$ 42,750	
CONSTRUCTION MANAGEMENT				20%			\$ 34,200	
							SUBTOTAL	\$ 102,600
							GRAND TOTAL (ROUNDED)	\$ 274,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>West Hills - WH3a</u>	BY: <u>JHK</u>
DESCRIPTION: <u>West Drive/Westcliff Place</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,679	\$ 5,679
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,893	\$ 1,893
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			CEMENT CONCRETE SIDEWALK	109	SY	\$ 160	\$ 17,511
5			CURB RAMPS	9	SY	\$ 180	\$ 1,600
6			REMOVE UNSUITABLE FOUNDATION MATERIAL	26	CY	\$ 60	\$ 1,578
7			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,400	\$ 2,400
8			CEMENT CONCRETE CURB AND GUTTER	211	LF	\$ 70	\$ 14,770
SUBTOTAL							\$ 51,431
CONTINGENCY				40%			\$ 20,580
CONSTRUCTION TOTAL (ROUNDED)							\$ 72,000
PROJECT MANAGEMENT				15%			\$ 10,800
DESIGN				25%			\$ 18,000
CONSTRUCTION MANAGEMENT				20%			\$ 14,400
SUBTOTAL							\$ 43,200
GRAND TOTAL (ROUNDED)							\$ 115,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>West Hills - WH3b</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Rosamond Avenue and F Street</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 23,033	\$ 23,033
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 7,678	\$ 7,678
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			CEMENT CONCRETE SIDEWALK	135	SY	\$ 160	\$ 21,653
5			CEMENT CONCRETE DRIVEWAY	70	SY	\$ 200	\$ 14,000
6			ROADWAY EXCAVATION INCL. HAUL	249	CY	\$ 75	\$ 18,689
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	148	SY	\$ 75	\$ 11,125
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	112	LF	\$ 140	\$ 15,680
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
10			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
11			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920
12			MH OR DW FRAME AND COVER (STANDARD)	2	EA	\$ 1,400	\$ 2,800
13			CURB RAMPS	6	SY	\$ 180	\$ 1,000
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	167	SY	\$ 15	\$ 2,508
15			TOPSOIL TYPE A, 2 INCH THICK	129	SY	\$ 12	\$ 1,547
16			HYDROSEEDING	129	SY	\$ 20	\$ 2,578
17			PAVEMENT MARKING - DURABLE HEAT APPLIED	60	SF	\$ 12	\$ 720
18			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 8,100	\$ 8,100
19			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
20			CEMENT CONCRETE CURB AND GUTTER	439	LF	\$ 70	\$ 30,730
SUBTOTAL							\$ 184,260
CONTINGENCY				40%			\$ 73,710
CONSTRUCTION TOTAL (ROUNDED)							\$ 258,000
PROJECT MANAGEMENT				15%			\$ 38,700
DESIGN				25%			\$ 64,500
CONSTRUCTION MANAGEMENT				20%			\$ 51,600
SUBTOTAL							\$ 154,800
GRAND TOTAL (ROUNDED)							\$ 413,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: West Hills - WH4

DESCRIPTION: A Street at High Bridge Park

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 2,681	\$ 2,681
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 894	\$ 894
4			CEMENT CONCRETE SIDEWALK - SPEED HUMP	86	SY	\$ 200	\$ 17,156
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	60	SF	\$ 12	\$ 720
SUBTOTAL							\$ 21,451
CONTINGENCY				40%			\$ 8,590
CONSTRUCTION TOTAL (ROUNDED)							\$ 30,000
PROJECT MANAGEMENT				15%			\$ 4,500
DESIGN				25%			\$ 7,500
CONSTRUCTION MANAGEMENT				20%			\$ 6,000
SUBTOTAL							\$ 18,000
GRAND TOTAL (ROUNDED)							\$ 48,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>West Hills - WH5a</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Sandridge Avenue from Rogue River Street to River Ridge Boulevard</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 2,756	\$ 2,756
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 919	\$ 919
3			CEMENT CONCRETE SIDEWALK - SPEED HUMP	86	SY	\$ 200	\$ 17,156
4			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 500	\$ 500
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	60	SF	\$ 12	\$ 720
SUBTOTAL							\$ 22,051
CONTINGENCY				40%			\$ 8,830
CONSTRUCTION TOTAL (ROUNDED)							\$ 31,000
				15%			\$ 4,650
				25%			\$ 7,750
				20%			\$ 6,200
SUBTOTAL							\$ 18,600
GRAND TOTAL (ROUNDED)							\$ 50,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: West Hills - WH5b
DESCRIPTION: F Street from 7th Avenue to Hartson Avenue
ASSUMPTIONS:

BY: JHK
CHECKED BY: _____
DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 40,061	\$ 40,061	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 13,354	\$ 13,354	
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000	
4			CEMENT CONCRETE SIDEWALK	248	SY	\$ 160	\$ 39,662	
5			ROADWAY EXCAVATION INCL. HAUL	513	CY	\$ 75	\$ 38,451	
6			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	373	SY	\$ 75	\$ 28,000	
7			CATCH BASIN DI SEWER PIPE 8IN. DIA.	420	LF	\$ 140	\$ 58,800	
8			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	7	EA	\$ 1,500	\$ 10,500	
9			CATCH BASIN TYPE 1	7	EA	\$ 4,500	\$ 31,500	
10			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	4	EA	\$ 920	\$ 3,680	
11			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400	
12			CURB RAMPS	52	SY	\$ 180	\$ 9,360	
13			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	196	SY	\$ 15	\$ 2,933	
14			TOPSOIL TYPE A, 2 INCH THICK	78	SY	\$ 12	\$ 933	
15			HYDROSEEDING	78	SY	\$ 20	\$ 1,556	
16			PAVEMENT MARKING - DURABLE HEAT APPLIED	140	SF	\$ 12	\$ 1,680	
17			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 3,500	\$ 3,500	
18			CEMENT CONCRETE SIDEWALK - SPEED HUMP	35	SY	\$ 200	\$ 7,000	
19			CEMENT CONCRETE CURB AND GUTTER	316	LF	\$ 70	\$ 22,120	
							SUBTOTAL	\$ 320,491
CONTINGENCY				40%			\$ 128,200	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 449,000
PROJECT MANAGEMENT				15%			\$ 67,350	
DESIGN				25%			\$ 112,250	
CONSTRUCTION MANAGEMENT				20%			\$ 89,800	
							SUBTOTAL	\$ 269,400
							GRAND TOTAL (ROUNDED)	\$ 718,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Audubon Downriver - AD2</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Northwest Boulevard from Assembly Street to Audubon Street</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 29,404	\$ 29,404
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 9,801	\$ 9,801
3			REMOVAL OF EXISTING PAVEMENT MARKINGS	3,251	SF	\$ 4	\$ 13,003
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	9,288	SF	\$ 12	\$ 111,453
5			CURB RAMPS	5	SY	\$ 180	\$ 820
6			TRAFFIC ISLAND CONCRETE	151	SY	\$ 150	\$ 22,667
7			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 40,000	\$ 40,000
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	32	SY	\$ 75	\$ 2,400
9			ROADWAY EXCAVATION INCL. HAUL	25	CY	\$ 35	\$ 881
10			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 4,800	\$ 4,800
SUBTOTAL							\$ 235,228
CONTINGENCY				40%			\$ 94,100
CONSTRUCTION TOTAL (ROUNDED)							\$ 329,000
PROJECT MANAGEMENT				15%			\$ 49,350
DESIGN				25%			\$ 82,250
CONSTRUCTION MANAGEMENT				20%		120	\$ 65,800
SUBTOTAL							\$ 197,400
GRAND TOTAL (ROUNDED)							\$ 526,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Audubon Downriver - ADS1
DESCRIPTION: Belt Street and Longfellow Avenue

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 12,940	\$ 12,940
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 4,313	\$ 4,313
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	67	SF	\$ 12	\$ 800
4			CEMENT CONCRETE CURB AND GUTTER	148	LF	\$ 70	\$ 10,360
5			CURB RAMPS	17	SY	\$ 180	\$ 3,120
6			CATCH BASIN DI SEWER PIPE 8IN. DIA.	88	LF	\$ 140	\$ 12,320
7			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
8			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
9			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
10			MH OR DW FRAME AND COVER (STANDARD)	3	EA	\$ 1,400	\$ 4,200
11			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	49	SY	\$ 75	\$ 3,700
12			ROADWAY EXCAVATION INCL. HAUL	59	CY	\$ 35	\$ 2,062
13			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	70	SY	\$ 15	\$ 1,048
14			CEMENT CONCRETE SIDEWALK	161	SY	\$ 160	\$ 25,813
15			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,000	\$ 2,000
16			LIGHT POLE INSTALLATION	1	LS	\$ 1,000	\$ 1,000
SUBTOTAL							\$ 103,517
CONTINGENCY				40%			\$ 41,410
CONSTRUCTION TOTAL (ROUNDED)							\$ 145,000
PROJECT MANAGEMENT				15%			\$ 21,750
DESIGN				25%			\$ 36,250
CONSTRUCTION MANAGEMENT				20%			\$ 29,000
SUBTOTAL							\$ 87,000
GRAND TOTAL (ROUNDED)							\$ 232,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Audubon Downriver - AD4
DESCRIPTION: Northwest Boulevard and T.J. Meenach Drive

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 4,794	\$ 4,794
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,598	\$ 1,598
3			CONTROLLER CABINET	1	EA	\$ 25,000	\$ 25,000
4			REMOVAL OF EXISTING PAVEMENT MARKINGS	460	SF	\$ 4	\$ 1,840
5			PAVEMENT MARKING - DURABLE HEAT APPLIED	427	SF	\$ 12	\$ 5,120
SUBTOTAL							\$ 38,352
CONTINGENCY				40%			\$ 15,350
CONSTRUCTION TOTAL (ROUNDED)							\$ 54,000
PROJECT MANAGEMENT				15%			\$ 8,100
DESIGN				25%			\$ 13,500
CONSTRUCTION MANAGEMENT				20%			\$ 10,800
SUBTOTAL							\$ 32,400
GRAND TOTAL (ROUNDED)							\$ 86,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Audubon Downriver - AD1	BY: JHK
DESCRIPTION: Wellesley Avenue Near Pauline Flett Middle School	CHECKED BY:
ASSUMPTIONS:	DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 97,243	\$ 97,243
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 32,414	\$ 32,414
3			CLEARING AND GRUBBING	1	LS	\$ 12,000	\$ 12,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	900	SF	\$ 12	\$ 10,794
5			CEMENT CONCRETE CURB AND GUTTER	1,441	LF	\$ 70	\$ 100,870
6			CEMENT CONCRETE DRIVEWAY	1,091	SY	\$ 200	\$ 218,200
7			CURB RAMPS	43	SY	\$ 180	\$ 7,800
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	212	SY	\$ 75	\$ 15,867
9			CATCH BASIN DI SEWER PIPE 8IN. DIA.	181	LF	\$ 140	\$ 25,340
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
11			CATCH BASIN TYPE 1	8	EA	\$ 4,500	\$ 36,000
12			DRYWELL TYPE 1	6	EA	\$ 6,000	\$ 36,000
13			MH OR DW FRAME AND COVER (STANDARD)	8	EA	\$ 1,400	\$ 11,200
14			ROADWAY EXCAVATION INCL. HAUL	381	CY	\$ 35	\$ 13,345
15			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	1,237	SY	\$ 15	\$ 18,557
16			CEMENT CONCRETE SIDEWALK	802	SY	\$ 120	\$ 96,293
17			TOPSOIL TYPE A, 2 INCH THICK	788	SY	\$ 12	\$ 9,451
18			HYDROSEEDING	788	SY	\$ 20	\$ 15,751
19			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 3,000	\$ 3,000
20			CHANNELIZING DEVICES - TYPE 1	20	EA	\$ 200	\$ 4,000
21			LIGHT POLE INSTALLATION	1	LS	\$ 1,000	\$ 1,000
22			TRAFFIC ISLAND CONCRETE	75	SY	\$ 150	\$ 11,317
SUBTOTAL							\$ 777,942
CONTINGENCY				40%			\$ 311,180
CONSTRUCTION TOTAL (ROUNDED)							\$ 1,089,000
PROJECT MANAGEMENT				15%			\$ 163,350
DESIGN				25%			\$ 272,250
CONSTRUCTION MANAGEMENT				20%			\$ 217,800
SUBTOTAL							\$ 653,400
GRAND TOTAL (ROUNDED)							\$ 1,742,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Audubon Downriver - AD3
DESCRIPTION: Wellesley Avenue and Alberta Street

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 2,500	\$ 2,500
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,250	\$ 1,250
3			CONTROLLER CABINET	1	EA	\$ 25,000	\$ 25,000
SUBTOTAL							\$ 28,750
CONTINGENCY				40%			\$ 11,500
CONSTRUCTION TOTAL (ROUNDED)							\$ 40,000
PROJECT MANAGEMENT				15%			\$ 6,000
DESIGN				25%			\$ 10,000
CONSTRUCTION MANAGEMENT				20%			\$ 8,000
SUBTOTAL							\$ 24,000
GRAND TOTAL (ROUNDED)							\$ 64,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Balboa-South Indian Trail - BSIT1</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Indian Trail Road from Holyoke Avenue to Excell Avenue</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 17,570	\$ 17,570
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 8,785	\$ 8,785
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,200	\$ 1,200
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	375	SF	\$ 12	\$ 4,504
5			PEDESTRIAN HYBRID BEACON SYSTEM AT INDIAN TRAIL ROAD AND HOLYOKE AVENUE	1	LS	\$ 170,000	\$ 170,000
SUBTOTAL							\$ 202,060
CONTINGENCY				40%			\$ 80,830
CONSTRUCTION TOTAL (ROUNDED)							\$ 283,000
				15%			\$ 42,450
				25%			\$ 70,750
				20%			\$ 56,600
SUBTOTAL							\$ 169,800
GRAND TOTAL (ROUNDED)							\$ 453,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Balboa-South Indian Trail - BSIT3
DESCRIPTION: Maple Street/Ash Street at Country Homes Boulevard

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 31,220	\$ 31,220	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 21,854	\$ 21,854	
3			TRAFFIC SIGNAL SYSTEM RETROFIT, CEDAR ROAD	1	LS	\$ 2,000	\$ 2,000	
4			CEMENT CONCRETE DRIVEWAY	557	SY	\$ 180	\$ 100,340	
5			CEMENT CONCRETE CURB AND GUTTER	996	LF	\$ 70	\$ 69,720	
6			CEMENT CONCRETE SIDEWALK	37	SY	\$ 160	\$ 5,973	
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	193	SY	\$ 75	\$ 14,467	
8			ROADWAY EXCAVATION INCL. HAUL	424	CY	\$ 35	\$ 14,841	
9			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	595	SY	\$ 15	\$ 8,922	
10			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920	
11			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500	
12			CATCH BASIN DI SEWER PIPE 8IN. DIA.	185	LF	\$ 140	\$ 25,900	
13			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000	
14			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400	
15			TOPSOIL TYPE A, 2 INCH THICK	586	SY	\$ 12	\$ 7,028	
16			HYDROSEEDING	586	SY	\$ 20	\$ 11,713	
17			TOPSOIL FOR BIO-INFILTRATION SWALES, 6 INCH THICK INCL. SE	462	SY	\$ 20	\$ 9,231	
18			CONSTRUCT BIO-INFILTRATION SWALE	462	SY	\$ 25	\$ 11,539	
19			2 INCH CALIPER DECIDUOUS TREE	12	EA	\$ 775	\$ 9,300	
20			PAVEMENT MARKING - DURABLE HEAT APPLIED	867	SF	\$ 12	\$ 10,409	
							SUBTOTAL	\$ 367,277
CONTINGENCY				40%			\$ 146,920	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 514,000
PROJECT MANAGEMENT				15%			\$ 77,100	
DESIGN				25%			\$ 128,500	
CONSTRUCTION MANAGEMENT				20%			\$ 102,800	
							SUBTOTAL	\$ 308,400
							GRAND TOTAL (ROUNDED)	\$ 822,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Balboa-South Indian Trail - BSIT5
DESCRIPTION: Woodside Avenue from Indian Trail Road to 5 Mile Road

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 5,242	\$ 5,242
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,184	\$ 2,184
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	640	SF	\$ 12	\$ 7,680
4			DRIVER FEEDBACK SIGN SYSTEM	2	EA	\$ 18,000	\$ 36,000
SUBTOTAL							\$ 51,106
CONTINGENCY				40%			\$ 20,450
CONSTRUCTION TOTAL (ROUNDED)							\$ 72,000
PROJECT MANAGEMENT				15%			\$ 10,800
DESIGN				25%			\$ 18,000
CONSTRUCTION MANAGEMENT				20%			\$ 14,400
SUBTOTAL							\$ 43,200
GRAND TOTAL (ROUNDED)							\$ 115,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Balboa-South Indian Trail - BSIT2</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Francis Avenue at Five Mile Shopping Center</u>	CHECKED BY: _____
ASSUMPTIONS:	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 37,759	\$ 37,759
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 18,880	\$ 18,880
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,400	\$ 2,400
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	1,004	SF	\$ 12	\$ 12,049
5			REMOVAL OF EXISTING PAVEMENT MARKINGS	150	SF	\$ 4	\$ 600
6			CURB RAMPS	6	SY	\$ 180	\$ 1,000
7			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	6	SY	\$ 15	\$ 92
8			TRAFFIC ISLAND CONCRETE	138	SY	\$ 150	\$ 20,750
9			CEMENT CONCRETE CURB AND GUTTER	10	LF	\$ 70	\$ 700
10			PEDESTRIAN HYBRID BEACON SYSTEM AT FRANCIS AVENUE AND BELT STREET	1	LS	\$ 170,000	\$ 170,000
11			PEDESTRIAN HYBRID BEACON SYSTEM AT FRANCIS AVENUE AND CANNON STREET	1	LS	\$ 170,000	\$ 170,000
SUBTOTAL							\$ 434,230
CONTINGENCY				40%			\$ 173,700
CONSTRUCTION TOTAL (ROUNDED)							\$ 608,000
				15%			\$ 91,200
				25%			\$ 152,000
				20%			\$ 121,600
SUBTOTAL							\$ 364,800
GRAND TOTAL (ROUNDED)							\$ 973,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Balboa-South Indian Trail - BSIT4
DESCRIPTION: Five Mile Road from Horizon Ridge Place to Ash Street

BY: JHK
CHECKED BY: _____
DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 33,940	\$ 33,940	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 16,970	\$ 16,970	
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	9,000	SF	\$ 12	\$ 108,000	
4			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 9,100	\$ 9,100	
5			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 40,000	\$ 40,000	
6			REMOVAL OF EXISTING PAVEMENT MARKINGS	3,150	SF	\$ 4	\$ 12,600	
							SUBTOTAL	\$ 220,610
CONTINGENCY				40%			\$ 88,250	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 309,000
PROJECT MANAGEMENT				15%			\$ 46,350	
DESIGN				25%			\$ 77,250	
CONSTRUCTION MANAGEMENT				20%			\$ 61,800	
							SUBTOTAL	\$ 185,400
							GRAND TOTAL (ROUNDED)	\$ 494,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Emerson Garfield - EG2</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Buckeye Avenue and Washington Street</u>	CHECKED BY: _____
	DATE: _____

ASSUMPTIONS: ALTERNATIVE A - FULL CLOSURE

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 31,852	\$ 31,852
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 14,864	\$ 14,864
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	457	SF	\$ 12	\$ 5,485
4			REMOVAL OF EXISTING PAVEMENT MARKINGS	457	SF	\$ 4	\$ 1,828
5			TOPSOIL TYPE A, 2 INCH THICK	452	SY	\$ 12	\$ 5,423
6			HYDROSEEDING	452	SY	\$ 20	\$ 9,038
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	113	SY	\$ 75	\$ 8,492
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	53	LF	\$ 140	\$ 7,420
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
10			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500
11			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
12			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
13			ROADWAY EXCAVATION INCL. HAUL	151	CY	\$ 35	\$ 5,279
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	23	SY	\$ 15	\$ 338
15			CEMENT CONCRETE SIDEWALK	345	SY	\$ 160	\$ 55,253
16			CEMENT CONCRETE CURB AND GUTTER	595	LF	\$ 70	\$ 41,650
17			CURB RAMPS	48	SY	\$ 180	\$ 8,620
18			TRAFFIC ISLAND CONCRETE	29	SY	\$ 150	\$ 4,283
19			TRAFFIC SIGNAL SYSTEM RETROFIT	1	LS	\$ 50,000	\$ 50,000
SUBTOTAL							\$ 259,066
CONTINGENCY				40%			\$ 103,630
CONSTRUCTION TOTAL (ROUNDED)							\$ 363,000
PROJECT MANAGEMENT				15%			\$ 54,450
DESIGN				25%			\$ 90,750
CONSTRUCTION MANAGEMENT				20%			\$ 72,600
SUBTOTAL							\$ 217,800
GRAND TOTAL (ROUNDED)							\$ 581,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Emerson Garfield - EG2 DESCRIPTION: Buckeye Avenue and Washington Street ASSUMPTIONS: ALTERNATIVE B - GULL WING LAYOUT	BY: DRV CHECKED BY: DATE:
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NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 27,711	\$ 27,711
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 12,932	\$ 12,932
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	672	SF	\$ 12	\$ 8,068
4			REMOVAL OF EXISTING PAVEMENT MARKINGS	607	SF	\$ 4	\$ 2,429
5			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 7,500	\$ 7,500
6			CEMENT CONCRETE CURB AND GUTTER	153	LF	\$ 70	\$ 10,710
7			CONCRETE TRAFFIC ISLAND 24 IN. WIDE	1,021	LF	\$ 65	\$ 66,365
8			ROADWAY EXCAVATION INCL. HAUL	39	CY	\$ 35	\$ 1,362
9			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	17	SY	\$ 75	\$ 1,275
10			CHANNELIZING DEVICES - TYPE 1	6	EA	\$ 200	\$ 1,200
11			TRAFFIC ISLAND CONCRETE	234	SY	\$ 150	\$ 35,033
12			CEMENT CONCRETE SIDEWALK	5	SY	\$ 160	\$ 800
13			TRAFFIC SIGNAL SYSTEM RETROFIT	1	LS	\$ 50,000	\$ 50,000
SUBTOTAL							\$ 225,387
CONTINGENCY				40%			\$ 90,160
CONSTRUCTION TOTAL (ROUNDED)							\$ 316,000
PROJECT MANAGEMENT				15%			\$ 47,400
DESIGN				25%			\$ 79,000
CONSTRUCTION MANAGEMENT				20%			\$ 63,200
SUBTOTAL							\$ 189,600
GRAND TOTAL (ROUNDED)							\$ 506,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Emerson Garfield - EG2 DESCRIPTION: Buckeye Avenue and Washington Street ASSUMPTIONS: ALTERNATIVE C - PARTIAL CLOSURE	BY: DRV CHECKED BY: DATE:
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NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 23,714	\$ 23,714
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 11,067	\$ 11,067
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	537	SF	\$ 12	\$ 6,445
4			REMOVAL OF EXISTING PAVEMENT MARKINGS	412	SF	\$ 4	\$ 1,647
5			TOPSOIL TYPE A, 2 INCH THICK	307	SY	\$ 12	\$ 3,684
6			HYDROSEEDING	307	SY	\$ 20	\$ 6,140
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	48	SY	\$ 75	\$ 3,592
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	10	LF	\$ 140	\$ 1,400
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000
10			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
11			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
12			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
13			ROADWAY EXCAVATION INCL. HAUL	68	CY	\$ 35	\$ 2,394
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	213	SY	\$ 15	\$ 3,202
15			CEMENT CONCRETE SIDEWALK	230	SY	\$ 160	\$ 36,782
16			CEMENT CONCRETE CURB AND GUTTER	351	LF	\$ 70	\$ 24,570
17			CURB RAMPS	17	SY	\$ 180	\$ 3,000
18			TRAFFIC SIGNAL SYSTEM RETROFIT	1	LS	\$ 50,000	\$ 50,000
SUBTOTAL							\$ 192,876
CONTINGENCY				40%			\$ 77,160
CONSTRUCTION TOTAL (ROUNDED)							\$ 270,000
PROJECT MANAGEMENT				15%			\$ 40,500
DESIGN				25%			\$ 67,500
CONSTRUCTION MANAGEMENT				20%			\$ 54,000
SUBTOTAL							\$ 162,000
GRAND TOTAL (ROUNDED)							\$ 432,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Emerson Garfield - EG1
DESCRIPTION: Buckeye Avenue from Wall Street to Atlantic Street
ASSUMPTIONS:

BY: JHK
CHECKED BY:
DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 28,806	\$ 28,806	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 9,602	\$ 9,602	
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	3,677	SF	\$ 12	\$ 44,127	
4			CEMENT CONCRETE CURB AND GUTTER	124	LF	\$ 70	\$ 8,680	
5			CURB RAMPS	15	SY	\$ 180	\$ 2,680	
6			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	51	SY	\$ 75	\$ 3,833	
7			CATCH BASIN DI SEWER PIPE 8IN. DIA.	42	LF	\$ 140	\$ 5,880	
8			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500	
9			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500	
10			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920	
11			ROADWAY EXCAVATION INCL. HAUL	5	CY	\$ 35	\$ 175	
12			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	80	SY	\$ 15	\$ 1,197	
13			CEMENT CONCRETE SIDEWALK	60	SY	\$ 160	\$ 9,547	
14			REMOVAL OF EXISTING PAVEMENT MARKINGS	3,700	SF	\$ 4	\$ 14,800	
15			RECTANGULAR RAPID FLASHING BEACON SYSTEM AT BUCKEYE AVENUE AND HOWARD STREET	1	LS	\$ 40,000	\$ 40,000	
16			RECTANGULAR RAPID FLASHING BEACON SYSTEM AT BUCKEYE AVENUE AND NORMANDIE STREET	1	LS	\$ 40,000	\$ 40,000	
17			LIGHT POLE INSTALLATION	1	LS	\$ 2,000	\$ 2,000	
18			REMOVAL OF STRUCTURE AND OBSTRUCTION	1	LS	\$ 2,200	\$ 2,200	
19			RELOCATE EXISTING UTILITIES	1	LS	\$ 10,000	\$ 10,000	
							SUBTOTAL	\$ 230,446
CONTINGENCY				40%			\$ 92,180	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 323,000
								\$ 50,000
								\$ 48,450
								\$ 80,750
								\$ 64,600
							SUBTOTAL	\$ 243,800
							GRAND TOTAL (ROUNDED)	\$ 567,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Emerson Garfield - EG5	BY: JHK
DESCRIPTION: Corbin Park	CHECKED BY:
ASSUMPTIONS:	DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 23,560	\$ 23,560
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 7,853	\$ 7,853
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			TOPSOIL TYPE A, 2 INCH THICK	77	SY	\$ 12	\$ 924
5			HYDROSEEDING	77	SY	\$ 20	\$ 1,540
6			PAVEMENT MARKING - DURABLE HEAT APPLIED	160	SF	\$ 12	\$ 1,920
7			CEMENT CONCRETE CURB AND GUTTER	242	LF	\$ 70	\$ 16,940
8			CURB RAMPS	42	SY	\$ 180	\$ 7,580
9			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	229	SY	\$ 75	\$ 17,150
10			CATCH BASIN DI SEWER PIPE 8IN. DIA.	227	LF	\$ 140	\$ 31,780
11			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	4	EA	\$ 1,500	\$ 6,000
12			CATCH BASIN TYPE 1	5	EA	\$ 4,500	\$ 22,500
13			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	3	EA	\$ 920	\$ 2,760
14			MH OR DW FRAME AND COVER (STANDARD)	2	EA	\$ 1,400	\$ 2,800
15			ROADWAY EXCAVATION INCL. HAUL	161	CY	\$ 35	\$ 5,638
16			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	121	SY	\$ 15	\$ 1,810
17			CEMENT CONCRETE SIDEWALK	128	SY	\$ 160	\$ 20,427
18			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 6,300	\$ 6,300
19			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
SUBTOTAL							\$ 188,483
CONTINGENCY				40%			\$ 75,400
CONSTRUCTION TOTAL (ROUNDED)							\$ 264,000
PROJECT MANAGEMENT				15%			\$ 39,600
DESIGN				25%			\$ 66,000
CONSTRUCTION MANAGEMENT				20%			\$ 52,800
SUBTOTAL							\$ 158,400
GRAND TOTAL (ROUNDED)							\$ 422,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Emerson Garfield - EGS1
DESCRIPTION: Audubon Elementary
ASSUMPTIONS:

BY: JHK
CHECKED BY:
DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 19,471	\$ 19,471
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 6,490	\$ 6,490
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			TOPSOIL TYPE A, 2 INCH THICK	63	SY	\$ 12	\$ 753
5			HYDROSEEDING	63	SY	\$ 20	\$ 1,256
6			CEMENT CONCRETE CURB AND GUTTER	217	LF	\$ 70	\$ 15,190
7			CURB RAMPS	36	SY	\$ 180	\$ 6,420
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	178	SY	\$ 75	\$ 13,342
9			CATCH BASIN DI SEWER PIPE 8IN. DIA.	173	LF	\$ 140	\$ 24,220
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	4	EA	\$ 1,500	\$ 6,000
11			CATCH BASIN TYPE 1	4	EA	\$ 4,500	\$ 18,000
12			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	3	EA	\$ 920	\$ 2,760
13			ROADWAY EXCAVATION INCL. HAUL	213	CY	\$ 35	\$ 7,461
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	91	SY	\$ 15	\$ 1,367
15			CEMENT CONCRETE SIDEWALK	94	SY	\$ 160	\$ 15,040
19			LIGHT POLE INSTALLATION	1	LS	\$ 2,000	\$ 2,000
20			RELOCATE EXISTING UTILITIES	1	LS	\$ 10,000	\$ 10,000
SUBTOTAL							\$ 155,770
CONTINGENCY				40%			\$ 62,310
CONSTRUCTION TOTAL (ROUNDED)							\$ 218,000
PROJECT MANAGEMENT				15%			\$ 32,700
DESIGN				25%			\$ 54,500
CONSTRUCTION MANAGEMENT				20%			\$ 43,600
SUBTOTAL							\$ 130,800
GRAND TOTAL (ROUNDED)							\$ 349,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Emerson Garfield - EG4
DESCRIPTION: Post Street from Grace Avenue to York Avenue

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 4,358	\$ 4,358
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,453	\$ 1,453
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 4,000	\$ 4,000
4			TRAFFIC ISLAND CONCRETE	167	SY	\$ 150	\$ 25,050
SUBTOTAL							\$ 34,860
CONTINGENCY				40%			\$ 13,950
CONSTRUCTION TOTAL (ROUNDED)							\$ 49,000
PROJECT MANAGEMENT				15%			\$ 7,350
DESIGN				25%			\$ 12,250
CONSTRUCTION MANAGEMENT				20%			\$ 9,800
SUBTOTAL							\$ 29,400
GRAND TOTAL (ROUNDED)							\$ 78,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Five Mile Prairie - FMP2</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Strong Road from Elm Street to Cherry Lane</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 7,630	\$ 7,630
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,543	\$ 2,543
3			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	33	SY	\$ 75	\$ 2,450
4			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,800	\$ 1,800
5			TOPSOIL TYPE A, 2 INCH THICK	64	SY	\$ 12	\$ 768
6			HYDROSEEDING	64	SY	\$ 20	\$ 1,280
7			PAVEMENT MARKING - DURABLE HEAT APPLIED	107	SF	\$ 12	\$ 1,280
8			CEMENT CONCRETE CURB AND GUTTER	294	LF	\$ 70	\$ 20,580
9			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000
10			CURB RAMPS	33	SY	\$ 180	\$ 6,000
11			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	136	SY	\$ 15	\$ 2,040
12			CEMENT CONCRETE SIDEWALK	67	SY	\$ 160	\$ 10,667
13			LIGHT POLE INSTALLATION	1	LS	\$ 1,000	\$ 1,000
SUBTOTAL							\$ 61,038
CONTINGENCY				40%			\$ 24,420
CONSTRUCTION TOTAL (ROUNDED)							\$ 85,000
				15%	PROJECT MANAGEMENT		\$ 12,750
				25%	DESIGN		\$ 21,250
				20%	CONSTRUCTION MANAGEMENT		\$ 17,000
SUBTOTAL							\$ 51,000
GRAND TOTAL (ROUNDED)							\$ 136,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Five Mile Prairie - FMP6e</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Strong Road and Nettleton Court</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 9,440	\$ 9,440
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 3,147	\$ 3,147
3			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	12	SY	\$ 75	\$ 883
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	93	SF	\$ 12	\$ 1,120
5			CEMENT CONCRETE SIDEWALK	56	SY	\$ 160	\$ 8,924
6			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	39	SY	\$ 15	\$ 583
7			CEMENT CONCRETE CURB AND GUTTER	106	LF	\$ 70	\$ 7,420
8			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 40,000	\$ 40,000
9			LIGHT POLE INSTALLATION	1	LS	\$ 1,000	\$ 1,000
10			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000
SUBTOTAL							\$ 75,517
CONTINGENCY				40%			\$ 30,210
CONSTRUCTION TOTAL (ROUNDED)							\$ 106,000
PROJECT MANAGEMENT				15%			\$ 15,900
DESIGN				25%			\$ 26,500
CONSTRUCTION MANAGEMENT				20%			\$ 21,200
SUBTOTAL							\$ 63,600
GRAND TOTAL (ROUNDED)							\$ 170,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Five Mile Prairie - FMP3
DESCRIPTION: Cascade Way from Five Mile Road to Austin Road

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 1,200	\$ 1,200
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 240	\$ 240
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	400	SF	\$ 12	\$ 4,800
SUBTOTAL							\$ 6,240
CONTINGENCY				40%			\$ 2,500
CONSTRUCTION TOTAL (ROUNDED)							\$ 9,000
PROJECT MANAGEMENT				15%			\$ 1,350
DESIGN				25%			\$ 2,250
CONSTRUCTION MANAGEMENT				20%			\$ 1,800
SUBTOTAL							\$ 5,400
GRAND TOTAL (ROUNDED)							\$ 14,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Five Mile Prairie - FMP5</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Cedar Road from Strong Road to Johannsen Road</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 14,077	\$ 14,077
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 4,692	\$ 4,692
3			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	18	SY	\$ 75	\$ 1,333
4			CATCH BASIN DI SEWER PIPE 8IN. DIA.	20	LF	\$ 140	\$ 2,800
5			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
6			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500
7			ROADWAY EXCAVATION INCL. HAUL	47	CY	\$ 35	\$ 1,637
8			PAVEMENT MARKING - DURABLE HEAT APPLIED	220	SF	\$ 12	\$ 2,640
9			CEMENT CONCRETE SIDEWALK	278	SY	\$ 160	\$ 44,551
10			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	44	SY	\$ 15	\$ 665
11			CEMENT CONCRETE CURB AND GUTTER	446	LF	\$ 70	\$ 31,220
12			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000
SUBTOTAL							\$ 112,615
CONTINGENCY				40%			\$ 45,050
CONSTRUCTION TOTAL (ROUNDED)							\$ 158,000
PROJECT MANAGEMENT				15%			\$ 23,700
DESIGN				25%			\$ 39,500
CONSTRUCTION MANAGEMENT				20%			\$ 31,600
SUBTOTAL							\$ 94,800
GRAND TOTAL (ROUNDED)							\$ 253,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>Five Mile Prairie - FMP1</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Strong Road from Five Mile Road to Nettleton Court</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 32,959	\$ 32,959	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,986	\$ 10,986	
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	840	SF	\$ 12	\$ 10,080	
4			CEMENT CONCRETE CURB	1,227	LF	\$ 51	\$ 62,561	
5			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 4 INCH THICK	1,913	SY	\$ 73	\$ 139,649	
6			ROADWAY EXCAVATION INCL. HAUL	213	CY	\$ 35	\$ 7,439	
							SUBTOTAL	\$ 263,675
CONTINGENCY				40%			\$ 105,480	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 369,000
				15%			\$ 55,350	
				25%			\$ 92,250	
				20%			\$ 73,800	
							SUBTOTAL	\$ 221,400
							GRAND TOTAL (ROUNDED)	\$ 590,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>North Hill - NH1</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Rowan Avenue from Ash Street to Maple Street</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 90,432	\$ 90,432	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 45,216	\$ 45,216	
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,400	\$ 2,400	
4			TRAFFIC SIGNAL AT ASH AND ROWAN	1	LS	\$ 450,000	\$ 450,000	
5			TRAFFIC SIGNAL AT MAPLE AND ROWAN	1	LS	\$ 450,000	\$ 450,000	
6			PAVEMENT MARKING - DURABLE HEAT APPLIED	160	SF	\$ 12	\$ 1,920	
							SUBTOTAL	\$ 1,039,968
CONTINGENCY				40%			\$ 415,990	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 1,456,000
								\$ 50,000
ROW ACQUISITION							\$ 50,000	
PROJECT MANAGEMENT				15%			\$ 218,400	
DESIGN				25%			\$ 364,000	
CONSTRUCTION MANAGEMENT				20%			\$ 291,200	
							SUBTOTAL	\$ 923,600
							GRAND TOTAL (ROUNDED)	\$ 2,380,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>North Hill - NH4</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Ash Street Corridor from Francis Avenue to Courtland Avenue</u>	CHECKED BY: _____
ASSUMPTIONS:	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 21,910	\$ 21,910
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,955	\$ 10,955
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,100	\$ 2,100
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	200	SF	\$ 12	\$ 2,400
5			REMOVAL OF EXISTING PAVEMENT MARKINGS	200	SF	\$ 4	\$ 800
6			CEMENT CONCRETE CURB AND GUTTER	309	LF	\$ 70	\$ 21,630
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	84	SY	\$ 75	\$ 6,308
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	112	LF	\$ 140	\$ 15,680
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	4	EA	\$ 1,500	\$ 6,000
10			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
11			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
12			ROADWAY EXCAVATION INCL. HAUL	152	CY	\$ 35	\$ 5,323
13			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	45	SY	\$ 15	\$ 670
14			CEMENT CONCRETE SIDEWALK	352	SY	\$ 160	\$ 56,373
15			CURB RAMPS	30	SY	\$ 180	\$ 5,480
16			DRIVER FEEDBACK SIGN SYSTEM	2	EA	\$ 18,000	\$ 36,000
17			RECTANGULAR RAPID FLASHING BEACON SYSTEM	1	LS	\$ 40,000	\$ 40,000
18			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
SUBTOTAL							\$ 251,971
CONTINGENCY				40%			\$ 100,790
CONSTRUCTION TOTAL (ROUNDED)							\$ 353,000
				15%	PROJECT MANAGEMENT		\$ 52,950
				25%	DESIGN		\$ 88,250
				20%	CONSTRUCTION MANAGEMENT		\$ 70,600
SUBTOTAL							\$ 211,800
GRAND TOTAL (ROUNDED)							\$ 565,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>North Hill - NH2</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Madison Street from Wabash Avenue to Walton Avenue</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 10,573	\$ 10,573
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 7,929	\$ 7,929
3			ROADWAY EXCAVATION INCLUDING HAUL	11	CY	\$ 35	\$ 391
4			TRAFFIC CIRCLE COLORED CONCRETE	27	SY	\$ 250	\$ 6,667
5			TRAFFIC CIRCLE CEMENT CONCRETE CURB	153	LF	\$ 85	\$ 13,005
6			TRAFFIC ISLAND CONCRETE	67	SY	\$ 150	\$ 10,100
7			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 22,700	\$ 22,700
SUBTOTAL							\$ 71,365
CONTINGENCY				40%			\$ 28,550
CONSTRUCTION TOTAL (ROUNDED)							\$ 100,000
PROJECT MANAGEMENT				15%			\$ 15,000
DESIGN				25%			\$ 25,000
CONSTRUCTION MANAGEMENT				20%			\$ 20,000
SUBTOTAL							\$ 60,000
GRAND TOTAL (ROUNDED)							\$ 160,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>North Hill - NH5</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Neighborhood Parks - Clark, B.A. Park and Franklin Park</u>	CHECKED BY: _____
ASSUMPTIONS:	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 1,000	\$ 1,000
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 1,000	\$ 1,000
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 6,000	\$ 6,000
SUBTOTAL							\$ 8,000
CONTINGENCY				40%			\$ 3,200
CONSTRUCTION TOTAL (ROUNDED)							\$ 11,000
PROJECT MANAGEMENT				15%			\$ 1,650
DESIGN				25%			\$ 2,750
CONSTRUCTION MANAGEMENT				20%			\$ 2,200
SUBTOTAL							\$ 6,600
GRAND TOTAL (ROUNDED)							\$ 18,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>North Hill - NH3</u>	BY: <u>DRV</u>
DESCRIPTION: <u>Providence Avenue from Wall Street to Post Street</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 17,525	\$ 17,525
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 5,842	\$ 5,842
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	146	SF	\$ 12	\$ 1,753
5			CEMENT CONCRETE CURB AND GUTTER	413	LF	\$ 70	\$ 28,910
6			CEMENT CONCRETE DRIVEWAY	9	SY	\$ 200	\$ 1,800
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	77	SY	\$ 75	\$ 5,775
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	35	LF	\$ 140	\$ 4,900
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	1	EA	\$ 1,500	\$ 1,500
10			CATCH BASIN TYPE 1	1	EA	\$ 4,500	\$ 4,500
11			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920
12			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
13			ROADWAY EXCAVATION INCL. HAUL	106	CY	\$ 35	\$ 3,700
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	81	SY	\$ 15	\$ 1,215
15			CEMENT CONCRETE SIDEWALK	132	SY	\$ 160	\$ 21,049
16			CURB RAMPS	13	SY	\$ 180	\$ 2,280
17			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 2,500	\$ 2,500
18			TOPSOIL TYPE A, 2 INCH THICK	131	SY	\$ 12	\$ 1,571
19			HYDROSEEDING	131	SY	\$ 20	\$ 2,618
20			TRAFFIC ISLAND CONCRETE	159	SY	\$ 150	\$ 23,817
21			REMOVAL OF EXISTING PAVEMENT MARKINGS	157	SF	\$ 4	\$ 627
SUBTOTAL							\$ 140,200
CONTINGENCY				40%			\$ 56,090
CONSTRUCTION TOTAL (ROUNDED)							\$ 196,000
				15%			\$ 29,400
				25%			\$ 49,000
				20%			\$ 39,200
SUBTOTAL							\$ 117,600
GRAND TOTAL (ROUNDED)							\$ 314,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: North Indian Trail - NIT1
DESCRIPTION: Shawnee Avenue and Farmdale Street

BY: DRV
CHECKED BY:
DATE:

Table with 8 columns: NUMBER, SPEC, STD ITEM NO., BID ITEM, QUANTITY, UNIT, UNIT PRICE, COST. Includes 21 line items for construction and 3 line items for management, totaling a grand total of \$322,000.



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: North Indian Trail - NIT3b
DESCRIPTION: Indian Trail Road from Ridgecrest Drive to Bedford Avenue

BY: DRV
CHECKED BY: _____
DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 46,634	\$ 46,634
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 15,545	\$ 15,545
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	107	SF	\$ 12	\$ 1,280
4			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
5			REMOVE TREE, CLASS II	15	EA	\$ 2,000	\$ 30,000
6			DITCH EXCAVATION	1,036	CY	\$ 75	\$ 77,708
7			18 INCH CULVERT	34	LF	\$ 175	\$ 5,950
8			CEMENT CONCRETE CURB AND GUTTER	78	LF	\$ 70	\$ 5,460
9			CEMENT CONCRETE SIDEWALK	1,669	SY	\$ 100	\$ 166,867
10			CEMENT CONCRETE DRIVEWAY	95	SY	\$ 200	\$ 18,911
SUBTOTAL							\$ 374,355
CONTINGENCY				30%			\$ 112,310
CONSTRUCTION TOTAL (ROUNDED)							\$ 487,000
PROJECT MANAGEMENT				15%			\$ 73,050
DESIGN				25%			\$ 121,750
CONSTRUCTION MANAGEMENT				20%			\$ 97,400
SUBTOTAL							\$ 292,200
GRAND TOTAL (ROUNDED)							\$ 779,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: North Indian Trail - NIT4
DESCRIPTION: Pamela Street and Lowell Road

BY: DRV
CHECKED BY: _____
DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 7,767	\$ 7,767
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 2,589	\$ 2,589
3			ROADWAY EXCAVATION INCLUDING HAUL	34	CY	\$ 35	\$ 1,206
4			TRAFFIC ISLAND CONCRETE	20	SY	\$ 150	\$ 3,000
4			TRAFFIC CIRCLE COLORED CONCRETE	7	SY	\$ 250	\$ 1,778
7			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 7,300	\$ 7,300
8			CEMENT CONCRETE SIDEWALK - SPEED HUMP	187	SY	\$ 200	\$ 37,333
9			PAVEMENT MARKING - DURABLE HEAT APPLIED	97	SF	\$ 12	\$ 1,164
SUBTOTAL							\$ 62,137
CONTINGENCY				40%			\$ 24,860
CONSTRUCTION TOTAL (ROUNDED)							\$ 87,000
PROJECT MANAGEMENT				15%			\$ 13,050
DESIGN				25%			\$ 21,750
CONSTRUCTION MANAGEMENT				20%			\$ 17,400
SUBTOTAL							\$ 52,200
GRAND TOTAL (ROUNDED)							\$ 139,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: North Indian Trail - NIT6
DESCRIPTION: Indian Trail Road from Sutherlin Place to Northside Landfill

BY: DRV
CHECKED BY: _____
DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 30,277	\$ 30,277
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,092	\$ 10,092
3			CLEARING AND GRUBBING	1	LS	\$ 7,000	\$ 7,000
4			REMOVAL OF STRUCTURE AND OBSTRUCTION	1	LS	\$ 3,000	\$ 3,000
5			REMOVE TREE, CLASS II	20	EA	\$ 2,000	\$ 40,000
6			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	411	SY	\$ 15	\$ 6,167
7			MODIFY FENCING	1	LS	\$ 40,000	\$ 40,000
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 4 INCH THICK	1,650	SY	\$ 73	\$ 120,428
9			CEMENT CONCRETE CURB AND GUTTER	500	LF	\$ 70	\$ 35,000
10			ROADWAY EXCAVATION INCL. HAUL	183	CY	\$ 35	\$ 6,416
SUBTOTAL							\$ 298,379
CONTINGENCY				40%			\$ 119,360
CONSTRUCTION TOTAL (ROUNDED)							\$ 418,000
PROJECT MANAGEMENT				15%			\$ 62,700
DESIGN				25%			\$ 104,500
CONSTRUCTION MANAGEMENT				20%			\$ 83,600
SUBTOTAL							\$ 250,800
GRAND TOTAL (ROUNDED)							\$ 669,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Northwest - NW1b (2)
DESCRIPTION: Francis Avenue and A Street
ASSUMPTIONS:

BY: JHK
CHECKED BY:
DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 46,443	\$ 46,443
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 23,221	\$ 23,221
3			REMOVAL OF EXISTING PAVEMENT MARKINGS	357	SF	\$ 4	\$ 1,429
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	1,083	SF	\$ 12	\$ 13,000
5			TRAFFIC SIGNAL SYSTEM RETROFIT	1	LS	\$ 450,000	\$ 450,000
SUBTOTAL							\$ 534,094
CONTINGENCY				40%			\$ 213,640
CONSTRUCTION TOTAL (ROUNDED)							\$ 748,000
PROJECT MANAGEMENT				15%			\$ 112,200
DESIGN				25%			\$ 187,000
CONSTRUCTION MANAGEMENT				20%			\$ 149,600
SUBTOTAL							\$ 448,800
GRAND TOTAL (ROUNDED)							\$ 1,197,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Northwest - NW1b
DESCRIPTION: Francis Avenue and A Street
ASSUMPTIONS:

BY: JHK
CHECKED BY:
DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 17,472	\$ 17,472
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 8,736	\$ 8,736
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,200	\$ 1,200
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	293	SF	\$ 12	\$ 3,520
5			PEDESTRIAN HYBRID BEACON SYSTEM	1	LS	\$ 170,000	\$ 170,000
SUBTOTAL							\$ 200,928
CONTINGENCY				40%			\$ 80,380
CONSTRUCTION TOTAL (ROUNDED)							\$ 281,000
PROJECT MANAGEMENT				15%			\$ 42,150
DESIGN				25%			\$ 70,250
CONSTRUCTION MANAGEMENT				20%			\$ 56,200
SUBTOTAL							\$ 168,600
GRAND TOTAL (ROUNDED)							\$ 450,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Northwest - NW5a
DESCRIPTION: Francis Avenue and Fotheringham Street

BY: JHK
CHECKED BY:
DATE:

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 17,456	\$ 17,456
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 8,728	\$ 8,728
3			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 1,600	\$ 1,600
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	247	SF	\$ 12	\$ 2,960
5			PEDESTRIAN HYBRID BEACON SYSTEM	1	LS	\$ 170,000	\$ 170,000
SUBTOTAL							\$ 200,744
CONTINGENCY				40%			\$ 80,300
CONSTRUCTION TOTAL (ROUNDED)							\$ 281,000
PROJECT MANAGEMENT				15%			\$ 42,150
DESIGN				25%			\$ 70,250
CONSTRUCTION MANAGEMENT				20%			\$ 56,200
SUBTOTAL							\$ 168,600
GRAND TOTAL (ROUNDED)							\$ 450,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Northwest - NW1a
DESCRIPTION: Wellesley Avenue and Driscoll Boulevard
ASSUMPTIONS:

BY: JHK
CHECKED BY:
DATE:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 32,494	\$ 32,494
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,831	\$ 10,831
3			CLEARING AND GRUBBING	1	LS	\$ 5,000	\$ 5,000
4			TOPSOIL TYPE A, 2 INCH THICK	408	SY	\$ 12	\$ 4,895
5			HYDROSEEDING	408	SY	\$ 20	\$ 8,158
6			CEMENT CONCRETE CURB AND GUTTER	471	LF	\$ 70	\$ 32,970
7			CURB RAMPS	41	SY	\$ 180	\$ 7,440
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	236	SY	\$ 75	\$ 17,725
9			CATCH BASIN DI SEWER PIPE 8IN. DIA.	356	LF	\$ 140	\$ 49,840
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	5	EA	\$ 1,500	\$ 7,500
11			CATCH BASIN TYPE 1	5	EA	\$ 4,500	\$ 22,500
12			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	4	EA	\$ 920	\$ 3,680
13			ROADWAY EXCAVATION INCL. HAUL	477	CY	\$ 35	\$ 16,705
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	191	SY	\$ 15	\$ 2,867
15			CEMENT CONCRETE SIDEWALK	114	SY	\$ 160	\$ 18,204
16			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 6,600	\$ 6,600
17			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
18			REMOVAL OF EXISTING PAVEMENT MARKINGS	150	SF	\$ 4	\$ 600
19			PAVEMENT MARKING - DURABLE HEAT APPLIED	579	SF	\$ 12	\$ 6,944
SUBTOTAL							\$ 259,952
CONTINGENCY				40%			\$ 103,990
CONSTRUCTION TOTAL (ROUNDED)							\$ 364,000
PROJECT MANAGEMENT				15%			\$ 54,600
DESIGN				25%			\$ 91,000
CONSTRUCTION MANAGEMENT				20%			\$ 72,800
SUBTOTAL							\$ 218,400
GRAND TOTAL (ROUNDED)							\$ 582,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Northwest - NW2 DESCRIPTION: Wellesley Avenue and Assembly Street ASSUMPTIONS:	BY: JHK CHECKED BY: DATE:
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NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 31,981	\$ 31,981
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,660	\$ 10,660
3			CLEARING AND GRUBBING	1	LS	\$ 3,000	\$ 3,000
4			TOPSOIL TYPE A, 2 INCH THICK	80	SY	\$ 12	\$ 963
5			HYDROSEEDING	80	SY	\$ 20	\$ 1,604
6			PAVEMENT MARKING - DURABLE HEAT APPLIED	513	SF	\$ 12	\$ 6,160
7			CEMENT CONCRETE CURB AND GUTTER	322	LF	\$ 70	\$ 22,540
8			CURB RAMPS	35	SY	\$ 180	\$ 6,240
9			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	359	SY	\$ 75	\$ 26,950
10			CATCH BASIN DI SEWER PIPE 8IN. DIA.	364	LF	\$ 140	\$ 50,960
11			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
12			CATCH BASIN TYPE 1	6	EA	\$ 4,500	\$ 27,000
13			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920
14			MH OR DW FRAME AND COVER (STANDARD)	6	EA	\$ 1,400	\$ 8,400
15			ROADWAY EXCAVATION INCL. HAUL	462	CY	\$ 35	\$ 16,177
16			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	137	SY	\$ 15	\$ 2,062
17			CEMENT CONCRETE SIDEWALK	185	SY	\$ 160	\$ 29,529
18			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 6,200	\$ 6,200
SUBTOTAL							\$ 255,846
CONTINGENCY				40%			\$ 102,340
CONSTRUCTION TOTAL (ROUNDED)							\$ 358,000
PROJECT MANAGEMENT				15%			\$ 53,700
DESIGN				25%			\$ 89,500
CONSTRUCTION MANAGEMENT				20%			\$ 71,600
SUBTOTAL							\$ 214,800
GRAND TOTAL (ROUNDED)							\$ 573,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: Northwest - NW3	BY: JHK
DESCRIPTION: Fairmount Place and Greenwood Boulevard	CHECKED BY:
	DATE:
ASSUMPTIONS:	

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 22,506	\$ 22,506
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 7,502	\$ 7,502
3			CLEARING AND GRUBBING	1	LS	\$ 10,000	\$ 10,000
4			TOPSOIL TYPE A, 2 INCH THICK	240	SY	\$ 12	\$ 2,877
5			HYDROSEEDING	240	SY	\$ 20	\$ 4,796
6			CEMENT CONCRETE CURB AND GUTTER	333	LF	\$ 70	\$ 23,310
7			CURB RAMPS	48	SY	\$ 180	\$ 8,620
8			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	38	SY	\$ 75	\$ 2,867
9			CATCH BASIN DI SEWER PIPE 8IN. DIA.	43	LF	\$ 140	\$ 6,020
10			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	2	EA	\$ 1,500	\$ 3,000
11			CATCH BASIN TYPE 1	2	EA	\$ 4,500	\$ 9,000
12			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
13			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
14			ROADWAY EXCAVATION INCL. HAUL	52	CY	\$ 35	\$ 1,834
15			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	280	SY	\$ 15	\$ 4,200
16			CEMENT CONCRETE SIDEWALK	296	SY	\$ 160	\$ 47,360
17			LIGHT POLE INSTALLATION	1	LS	\$ 2,000	\$ 2,000
18			RELOCATE EXISTING UTILITIES	1	LS	\$ 5,000	\$ 5,000
19			TRAFFIC ISLAND CONCRETE	69	SY	\$ 150	\$ 10,317
20			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 5,600	\$ 5,600
SUBTOTAL							\$ 180,048
CONTINGENCY				40%			\$ 72,020
CONSTRUCTION TOTAL (ROUNDED)							\$ 252,000
				15%			\$ 37,800
				25%			\$ 63,000
				20%			\$ 50,400
SUBTOTAL							\$ 151,200
GRAND TOTAL (ROUNDED)							\$ 403,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: West Central - WC1

DESCRIPTION: Maxwell Avenue and Boone Avenue

ASSUMPTIONS:

BY: JHK

CHECKED BY: _____

DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST	
1			MOBILIZATION	1	LS	\$ 31,944	\$ 31,944	
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 10,648	\$ 10,648	
3			PAVEMENT MARKING - DURABLE HEAT APPLIED	219	SF	\$ 12	\$ 2,628	
4			CEMENT CONCRETE CURB AND GUTTER	440	LF	\$ 70	\$ 30,800	
5			REINFORCED DOWELED CURB	65	LF	\$ 75	\$ 4,875	
6			CURB RAMPS	61	SY	\$ 180	\$ 10,982	
7			ROADWAY EXCAVATION INCL. HAUL	27	CY	\$ 35	\$ 954	
8			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	281	SY	\$ 15	\$ 4,215	
9			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	137	SY	\$ 75	\$ 10,267	
10			CATCH BASIN DI SEWER PIPE 8IN. DIA.	198	LF	\$ 140	\$ 27,720	
11			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	4	EA	\$ 1,500	\$ 6,000	
12			CATCH BASIN TYPE 1	4	EA	\$ 4,500	\$ 18,000	
13			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	1	EA	\$ 920	\$ 920	
14			CEMENT CONCRETE SIDEWALK	334	SY	\$ 120	\$ 40,132	
15			TRAFFIC ISLAND CONCRETE	11	SY	\$ 135	\$ 1,470	
16			HYDRANT ASSEMBLY	1	EA	\$ 9,000	\$ 9,000	
17			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 10,000	\$ 10,000	
18			DRIVER FEEDBACK SIGN SYSTEM	1	EA	\$ 18,000	\$ 18,000	
19			RELOCATE EXISTING UTILITIES	1	LS	\$ 15,000	\$ 15,000	
20			LIGHT POLE INSTALLATION	2	LS	\$ 1,000	\$ 2,000	
							SUBTOTAL	\$ 255,555
CONTINGENCY				40%			\$ 102,230	
							CONSTRUCTION TOTAL (ROUNDED)	\$ 358,000
PROJECT MANAGEMENT				15%			\$ 53,700	
DESIGN				25%			\$ 89,500	
CONSTRUCTION MANAGEMENT				20%			\$ 71,600	
							SUBTOTAL	\$ 214,800
							GRAND TOTAL (ROUNDED)	\$ 573,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>West Central - WC5a</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Broadway Avenue from Chestnut Street to Elm Street</u>	CHECKED BY: _____
	DATE: _____

ASSUMPTIONS:

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 64,689	\$ 64,689
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 21,563	\$ 21,563
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			PAVEMENT MARKING - DURABLE HEAT APPLIED	2,725	SF	\$ 12	\$ 32,705
5			CEMENT CONCRETE CURB AND GUTTER	331	LF	\$ 70	\$ 23,170
6			CURB RAMPS	34	SY	\$ 180	\$ 6,060
7			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	303	SY	\$ 75	\$ 22,758
8			CATCH BASIN DI SEWER PIPE 8IN. DIA.	300	LF	\$ 140	\$ 42,000
9			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	8	EA	\$ 1,500	\$ 12,000
10			CATCH BASIN TYPE 1	8	EA	\$ 4,500	\$ 36,000
11			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
12			MH OR DW FRAME AND COVER (STANDARD)	7	EA	\$ 1,400	\$ 9,800
13			ROADWAY EXCAVATION INCL. HAUL	464	CY	\$ 35	\$ 16,240
14			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	164	SY	\$ 15	\$ 2,463
15			CEMENT CONCRETE SIDEWALK	156	SY	\$ 160	\$ 24,978
16			RAISED INTERSECTION CONCRETE	539	SY	\$ 300	\$ 161,833
17			SIGNING, PERMANENT - CONTRACTOR MANUFACTURED SIGNS - RELOCATE EXISTING SIGNS	1	LS	\$ 3,600	\$ 3,600
18			TOPSOIL TYPE A, 2 INCH THICK	35	SY	\$ 12	\$ 424
19			HYDROSEEDING	35	SY	\$ 20	\$ 707
20			HYDRANT ASSEMBLY	1	EA	\$ 9,000	\$ 9,000
21			LIGHT POLE INSTALLATION	1	LS	\$ 1,000	\$ 1,000
22			TRAFFIC ISLAND CONCRETE	125	SY	\$ 150	\$ 18,683
SUBTOTAL							\$ 517,515
CONTINGENCY				40%			\$ 207,010
CONSTRUCTION TOTAL (ROUNDED)							\$ 725,000
				15%	PROJECT MANAGEMENT		\$ 108,750
				25%	DESIGN		\$ 181,250
				20%	CONSTRUCTION MANAGEMENT		\$ 145,000
SUBTOTAL							\$ 435,000
GRAND TOTAL (ROUNDED)							\$ 1,160,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>West Central - WC5c</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Broadway Avenue and Cedar Street</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 24,859	\$ 24,859
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 8,286	\$ 8,286
3			CLEARING AND GRUBBING	1	LS	\$ 8,000	\$ 8,000
4			TOPSOIL TYPE A, 2 INCH THICK	17	SY	\$ 12	\$ 201
5			HYDROSEEDING	17	SY	\$ 20	\$ 336
6			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	156	SY	\$ 75	\$ 11,725
7			CATCH BASIN DI SEWER PIPE 8IN. DIA.	180	LF	\$ 140	\$ 25,200
8			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
9			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
10			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
11			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
12			PAVEMENT MARKING - DURABLE HEAT APPLIED	187	SF	\$ 12	\$ 2,240
13			CEMENT CONCRETE CURB AND GUTTER	319	LF	\$ 70	\$ 22,330
14			CURB RAMPS	19	SY	\$ 180	\$ 3,360
15			ROADWAY EXCAVATION INCL. HAUL	272	CY	\$ 35	\$ 9,507
16			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	73	SY	\$ 15	\$ 1,098
17			CEMENT CONCRETE SIDEWALK	316	SY	\$ 160	\$ 50,489
18			RELOCATE EXISTING UTILITIES	1	LS	\$ 10,000	\$ 10,000
SUBTOTAL							\$ 198,871
CONTINGENCY				40%			\$ 79,550
CONSTRUCTION TOTAL (ROUNDED)							\$ 278,000
PROJECT MANAGEMENT				15%			\$ 41,700
DESIGN				25%			\$ 69,500
CONSTRUCTION MANAGEMENT				20%			\$ 55,600
SUBTOTAL							\$ 166,800
GRAND TOTAL (ROUNDED)							\$ 445,000



CONCEPTUAL ENGINEER'S ESTIMATE

PROJECT: <u>West Central - WC5b</u>	BY: <u>JHK</u>
DESCRIPTION: <u>Holmes Elementary</u>	CHECKED BY: _____
ASSUMPTIONS: _____	DATE: _____

NUMBER	SPEC	STD ITEM NO.	BID ITEM	QUANTITY	UNIT	UNIT PRICE	COST
1			MOBILIZATION	1	LS	\$ 16,719	\$ 16,719
2			PROJECT TEMPORARY TRAFFIC CONTROL	1	LS	\$ 5,573	\$ 5,573
3			CLEARING AND GRUBBING	1	LS	\$ 6,000	\$ 6,000
4			TOPSOIL TYPE A, 2 INCH THICK	11	SY	\$ 12	\$ 133
5			HYDROSEEDING	11	SY	\$ 20	\$ 222
6			HMA FOR PAVEMENT REPAIR CL. 1/2 IN. MEDIUM TRAFFIC, 6 INCH THICK	57	SY	\$ 75	\$ 4,267
7			CATCH BASIN DI SEWER PIPE 8IN. DIA.	64	LF	\$ 140	\$ 8,960
8			CONNECT 8IN. DIA. PIPE TO EXISTING CB, DW, OR MH	3	EA	\$ 1,500	\$ 4,500
9			CATCH BASIN TYPE 1	3	EA	\$ 4,500	\$ 13,500
10			REMOVE MANHOLE, CATCH BASIN, OR DRYWELL	2	EA	\$ 920	\$ 1,840
11			MH OR DW FRAME AND COVER (STANDARD)	1	EA	\$ 1,400	\$ 1,400
12			PAVEMENT MARKING - DURABLE HEAT APPLIED	427	SF	\$ 12	\$ 5,120
13			CEMENT CONCRETE CURB AND GUTTER	263	LF	\$ 70	\$ 18,410
14			CURB RAMPS	51	SY	\$ 180	\$ 9,120
15			ROADWAY EXCAVATION INCL. HAUL	76	CY	\$ 35	\$ 2,655
16			REMOVE CEMENT CONCRETE SIDEWALK AND DRIVEWAY	117	SY	\$ 15	\$ 1,760
17			LIGHT POLE INSTALLATION	1	LS	\$ 3,000	\$ 3,000
18			RELOCATE EXISTING UTILITIES	1	LS	\$ 15,000	\$ 15,000
19			CEMENT CONCRETE SIDEWALK	97	SY	\$ 160	\$ 15,573
SUBTOTAL							\$ 133,752
CONTINGENCY				40%			\$ 53,510
CONSTRUCTION TOTAL (ROUNDED)							\$ 187,000
PROJECT MANAGEMENT				15%			\$ 28,050
DESIGN				25%			\$ 46,750
CONSTRUCTION MANAGEMENT				20%			\$ 37,400
SUBTOTAL							\$ 112,200
GRAND TOTAL (ROUNDED)							\$ 299,000