Base Bid, Cost Estimate

Town of Camp Verde
Finnie Flat Channel Improvements
Engineer's Estimate of Probable Construction Costs
Date: November 30, 2011

CERTIFICATE NO. 40235 RONALD J. LONG Date Signed 1/18/12 ARIZONA U.S.A.
Expires 12/31/12

ITEM No.	CONST NOTE #	SHEET No.	ITEM DESCRIPTIONS	QTY	UNIT	UNIT COST	TOTAL
Construction Items							
Channel Construction; Sta. 104+50 to Sta. 109+75							
1	001	9	Remove and Dispose Portland Cement Concrete	225	SF	$ 6	$ 1,350
2	002	9,11	Remove and Dispose Curb and Gutter	45	LF	$ 15	$ 675
3	010	9	Remove and Dispose of Existing Trees	2	EA	$ 750	$ 1,500
4	100	9	Remove and Re-install Existing Pedestrian Bridge	1	LS	$ 5,000	$ 5,000
5	102	9	Relocate Existing Irrigation Line	1	LS	$ 1,000	$ 1,000
6	106	9	Remove and Relocate Existing Light Pole	1	LS	$ 1,000	$ 1,000
7	201	9	Guardrail including End Section	60	LF	$ 60	$ 3,600
8	202	8,9,10	Handrail	905	LF	$ 40	$ 36,200
9	204	9	Pedestrian Bridge Ramp (Concrete)	200	SF	$ 12	$ 2,400
10	500	8,9,10	15' Wide Concrete Channel	525	LF	$ 556	$ 291,900
11	501	8,9	MAG Type E Catch Basin w/curb and AC match-up	2	EA	$ 5,000	$ 10,000
12	502	9	MAG Headwall Drop Inlet	1	EA	$ 4,500	$ 4,500
13	503	8,9,10	18" SRP Culvert	20	LF	$ 150	$ 3,000
14	504	8,9,10	Flap Gate	8	EA	$ 650	$ 5,200
15	508	9	12" SRP Culvert	6	LF	$ 130	$ 780
16	512	7,8,9	Grade to Drain per Detail 6	1	LS	$ 2,100	$ 2,100
17	513	9	Grade to Drain per Detail 7, Incl. 280 SF Conc. Match-up	1	LS	$ 2,300	$ 2,300
18	514	9,10	Grade to Drain per Detail 8	1	LS	$ 1,000	$ 1,000
19	515	7,8	Grade to Drain per Detail 9	1	LS	$ 1,500	$ 1,500
20	516	9	Grade to Drain per Detail 10, Incl. 540 SF Conc. Match-up	1	LS	$ 6,000	$ 6,000
21	517	9	Grade to Drain per Detail 11	1	LS	$ 1,000	$ 1,000
22	518	9,10	Grade to Drain per Detail 12	1	LS	$ 1,000	$ 1,000
23	520	10	Connect 18" RCP to Concrete Channel	2	EA	$ 400	$ 800
24	524	8	8" Nyloplast Drain Basin & Flap Gate	1	EA	$ 3,000	$ 3,000
25	525	9,10	15" Nyloplast Drain Basin & Flap Gate	2	EA	$ 4,700	$ 9,400
26	529	10	18" Flared End Section	1	EA	$ 250	$ 250
			CHANNEL CONSTRUCTION (SUBTOTAL 1)				**$ 396,455**

Base Bid, Cost Estimate

Town of Camp Verde
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Date: November 30, 2011

40265
RONALD J.
LONG
Date Signed 1/18/12
Expires 12/31/12

ITEM No.	CONST NOTE #	SHEET No.	ITEM DESCRIPTIONS	QTY	UNIT	UNIT COST	TOTAL
Construction Items							
Street, Utility, & Box Culvert Construction; Sta. 109+75 to Sta. 113+70.18							
27	004	11	Remove and Dispose Asphalt Concrete	425	SY	$ 6	$ 2,550
28	005	11	Obliterate Existing Striping	1	LS	$ 1,000	$ 1,000
29	006	11	Remove and Dispose Storm Drain Pipe	80	LF	$ 120	$ 9,600
30	008	11	Slurry and Abandon Existing Storm Drain Pipe	1	LS	$ 1,400	$ 1,400
31	009	11	Abandon Existing Waterline	250	LF	$ 5	$ 1,250
32	104	11	Adjust Manhole to Grade	1	EA	$ 450	$ 450
33	105	11	Adjust Water Valve to Grade	2	EA	$ 400	$ 800
34	205	11	5' Concrete Sidewalk	155	SF	$ 5	$ 698
35	206	11	4"AC/10"ABC	664	SY	$ 50	$ 33,200
36	207	11	MAG Type 'A' Curb and Gutter	233	LF	$ 17	$ 3,961
37	208	11	Traffic Control Signs	3	EA	$ 250	$ 750
38	209	11	Pavement Text and Symbol Markings	1	LS	$ 2,500	$ 2,500
39	210	11	Lane Striping	1	LS	$ 850	$ 850
40	304	11	6" DIA Class 350 DIP Waterline	225	LF	$ 80	$ 18,000
41	305	11	6" Water Gate Valve (Inserta Valve)	2	EA	$ 2,500	$ 5,000
42	531	11	18" SRP Culvert	32	LF	$ 95	$ 3,040
43	532	11	Modified MAG Type E Catch Basin	1	EA	$ 3,500	$ 3,500
44	533	11	8'x3' Box Culvert	206	LF	$ 625	$ 128,750
45	534	11	Connect Pipe Culvert to Box Culvert	3	EA	$ 500	$ 1,500
46	535	11	MAG 520 48" Storm Drain Manhole	1	EA	$ 3,000	$ 3,000
47	536	11	MAG 522 48" Storm Drain Manhole Shaft	1	EA	$ 6,000	$ 6,000
48	537	11	Concrete Vault	1	LS	$ 12,500	$ 12,500
49	538	10	Concrete Headwall	1	EA	$ 7,000	$ 7,000
50	539	11	MAG Type E Catch Basin	2	EA	$ 4,500	$ 9,000
51	540	11	Modified MAG Type G Catch Basin	1	EA	$ 4,700	$ 4,700
52	541	10,11	10' x 3.5' Box Culvert and Transitions	185	LF	$ 750	$ 138,750
			STREET, UTILITY, & BOX CULVERT CONSTRUCTION (SUBTOTAL 2)				**$ 399,749**
			CONSTRUCTION COST (SUBTOTALS 1 & 2)				**$ 796,204**
Overhead & Miscellaneous Items (% of Const. Cost)							
53			Construction Staking (2%)	1	LS	$ 15,924	$ 15,924
54			Traffic Control (2%)	1	LS	$ 15,924	$ 15,924
55			Mobilization (3%)	1	LS	$ 23,886	$ 23,886
56			Administration (3%)	1	LS	$ 23,886	$ 23,886
57			Quality & Testing Control (1.3%)	1	LS	$ 10,351	$ 10,351
58			Storm Water Pollution Prevention Plan (0.75%)	1	LS	$ 5,972	$ 5,972
			MISCELLANEOUS (SUBTOTAL 3)				**$ 95,943**
Allowances							
59	301	11	Waterline Vertical Realignment (Allowance)	1	LS	$ 5,000	$ 5,000
60	007, 800	11	Utility Relocations; Telephone & Cable TV (Allowance)	1	LS	$ 10,000	$ 10,000
61			Contract Allowance	1	LS	$ 80,000	$ 80,000
			ALLOWANCES (SUBTOTAL 4)				**$ 95,000**

BASE BID TOTAL (SUBTOTALS 1-4) $ 987,146

Option 1, Concrete Channel

Town of Camp Verde
Finnie Flat Channel
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Date: November 30, 2011

Ronald J. Long
CERTIFICATE NO. 40285
RONALD J. LONG
1/18/12
EXPIRES 12/31/12

ITEM No.	CONST NOTE #	SHEET No.	ITEM DESCRIPTIONS	QTY	UNIT	UNIT COST	TOTAL
Construction Items							
Concrete Channel Construction Sta.100+00 to Sta. 104+50							
1	103	7	Remove and Replace Barbed Wire Fence	40	LF	$ 25	$ 1,000
2	202	7,8	Handrail	404	LF	$ 40	$ 16,160
3	203	7	New Barbed Wire Fence	7	LF	$ 20	$ 140
4	500	7,8	15' Wide Concrete Channel	416	LF	$ 550	$ 228,800
5	509	7	Riprap	12	CY	$ 110	$ 1,320
6	511	7	Grade to Drain per Detail 5	1	LS	$ 1,000	$ 1,000
7	521	7	Shotcrete Outlet Channel	1475	SF	$ 5	$ 7,375
8	523	8	Connect 4" PVC Pipe & Flap Gate	1	EA	$ 250	$ 250
			CONCRETE CHANNEL CONSTRUCTION COST SUBTOTAL				**$ 255,795**
Overhead & Miscellaneous Items (% Const. Cost)							
9			Construction Staking (2%)	1	LS	$ 5,116	$ 5,116
10			Traffic Control (2%)	1	LS	$ 5,116	$ 5,116
11			Mobilization (3%)	1	LS	$ 7,674	$ 7,674
12			Administration (3%)	1	LS	$ 7,674	$ 7,674
13			Quality & Testing Control (1.3%)	1	LS	$ 3,325	$ 3,325
14			Storm Water Pollution Prevention Plan (0.75%)	1	LS	$ 1,918	$ 1,918
			OVERHEAD & MISCELLANEOUS SUBTOTAL				**$ 30,823**

OPTION 1 TOTAL $ 286,618

Option 2, Shotcrete Channel

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Date: November 30, 2011

RONALD J. LONG
1/18/12
Expires 12/31/12

NO	CONST NOTE #	SHEET	ITEM	QTY	UNIT	UNIT COST	TOTAL
Construction Items							
Shotcrete Channel Construction Sta. 100+00 to Sta. 104+50							
1	103	12	Remove and Replace Barbed Wire Fence	40	LF	$ 25	$ 1,000
2	203	12	New Barbed Wire Fence	7	LF	$ 20	$ 140
3	509	12	Riprap	12	CY	$ 110	$ 1,320
4	511	12	Grade to Drain per Detail 5	1	LS	$ 1,000	$ 1,000
5	521	12	Shotcrete Outlet Channel	1,475	SF	$ 5	$ 7,375
6	523	13	Connect 4" PVC Pipe & Flap Gate	1	EA	$ 250	$ 250
7	560	12,13	Shotcrete Channel	11,290	SF	$ 5	$ 56,450
8	561	13	50-Foot Concrete Channel Transition	1	LS	$ 30,000	$ 30,000
			SHOTCRETE CHANNEL COSTRUCTION COST SUBTOTAL				**$ 97,535**
Miscellaneous Items (% Const. Cost)							
9			Construction Staking (2%)	1	LS	$ 1,951	$ 1,951
10			Traffic Control (2%)	1	LS	$ 1,951	$ 1,951
11			Mobilization (3%)	1	LS	$ 2,926	$ 2,926
12			Administration (3%)	1	LS	$ 2,926	$ 2,926
13			Quality & Testing Control (1.3%)	1	LS	$ 1,268	$ 1,268
14			Storm Water Pollution Prevention Plan (0.75%)	1	LS	$ 732	$ 732
			MISCELLANEOUS SUBTOTAL				**$ 11,753**

OPTION 2 TOTAL $ 109,288