



COUNTY OF PLACER
Community Development Resource Agency

Michael J. Johnson, AICP
Agency Director

**ENGINEERING &
SURVEYING**

Wes Zicker, PE
Director

MEMORANDUM

TO: Honorable Board of Supervisors

FROM: Wes Zicker, Director of Engineering & Surveying
Dan Dottai, Engineering Manager

**SUBJECT: PLAN CHECK AND INSPECTION FEE SPREADSHEET –
INFLATIONARY ADJUSTMENT**

DATE: July 7, 2009

ACTION REQUESTED / RECOMMENDATION

Conduct a Public Hearing and adopt a Resolution to adjust the Plan Check and Inspection Fee Spreadsheet to reflect an inflationary increase of 2.5% to become effective August 10, 2009.

BACKGROUND

The County's method for calculating civil improvement plan check and inspection fees is based on a standard unit cost spreadsheet (Plan Check and Inspection Fee Spreadsheet). To ensure the spreadsheet remains current with industry costs, and to keep pace with inflation, County Code Section 16.08.170(G) provides for annual adjustments based on the prior year February to February Construction Cost Index (CCI), as published by the Engineering News Record. For February 2008 the CCI was 8094, for February 2009 the CCI was 8533; a 5.4% annual increase.

The economic environment of late has been volatile. While the CCI suggests a 5.4% inflationary increase, the civil construction industry has become quite competitive, as evidenced by recent bids for capital improvement projects that have come in below engineer's estimates. A further review of the CCI suggests that large monthly increases were noted for the first half of the reporting period and smaller increases the second half. Last year's spike in crude oil prices may have played a part in this trend, particularly for construction materials, which are heavily dependent on energy costs. Indeed an estimated CCI based on the latter half of the reporting period, August 2008 to February 2009, yields an effective annual increase of only 2.0%.

Therefore, while County Code would allow an inflationary increase of 5.4%, ESD recommends that your Board consider a reduced adjustment that more accurately reflects market conditions. Accordingly, ESD recommends that your Board adopt an inflationary increase of 2.5%, the same inflationary increase recently proposed by DPW for their annual Traffic Mitigation Fee adjustment, which is based on the same index.

Should your Board chose to adopt a 2.5% increase, Exhibit A illustrates the current unit costs and compares those that would result from a 2.5% increase, rounded to significant figures. If approved, the 2.5% increase would become effective August 10, 2009 to coincide with the recent DPW traffic fee adjustments. Exhibit B illustrates the actual spreadsheet that would go into effect August 10, 2009. If adopted, the Community Development Resource Agency will disseminate the new spreadsheet to the development community in advance of its effective date.

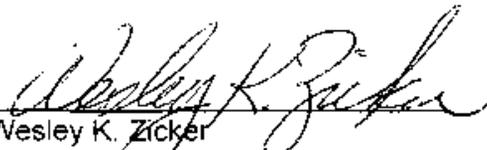
ENVIRONMENTAL

This action is exempt under CEQA, Section 15273 -- "Rates, Tolls, Fares and Charges".

FISCAL IMPACT

This adjustment conforms to County Code Section 16.08.170 and provides a means for the County's revenue to keep up with inflation.

Respectfully submitted,



Wesley K. Zicker
Director of Engineering & Surveying

Attachments: Exhibit A: Unit Cost Spreadsheet Comparing Current and Proposed Unit Costs
Resolution

EXHIBIT A
Unit Cost Spreadsheet Comparing Current and Proposed Unit Costs
Plan Check and Inspection Services
Engineering and Surveying Department
JULY 7, 2009

	Item	Unit	Current Unit Cost	Proposed New Unit Cost (+2.5%)	Rounded New Unit Cost
A	EARTHWORK				
	Roadway excavation	CY	\$6.30	\$6.46	\$6.45
	Earthwork - import	CY	\$9.70	\$9.94	\$9.95
	Site grading and compaction	SF	\$0.60	\$0.62	\$0.62
	Export material	CY	\$7.40	\$7.59	\$7.60
	Clear and grub	AC	\$1,136.00	\$1,164.40	\$1,165.00
	Sawcut and remove existing AC	SF	\$1.16	\$1.19	\$1.19
B	STORM DRAINAGE				
	Storm Drain Drop Inlet	EA	\$1,423.00	\$1,458.58	\$1,460.00
	Storm Drain Manhole - 24"	EA	\$1,697.00	\$1,739.43	\$1,740.00
	Storm Drain Manhole - 36"	EA	\$1,698.00	\$1,740.45	\$1,740.00
	Storm Drain Manhole - 48"	EA	\$2,298.00	\$2,355.45	\$2,355.00
	Storm Drain Manhole - 60"	EA	\$3,420.00	\$3,505.50	\$3,500.00
	Storm Drain Manhole - 72"	EA	\$4,571.00	\$4,685.28	\$4,685.00
	Storm Drain Manhole With Trap - 36"	EA	\$2,465.00	\$2,526.63	\$2,525.00
	Storm Drain Manhole With Trap - 72"	EA	\$4,898.00	\$5,020.45	\$5,020.00
	Drain Pipe - 6" and Under	LF	\$18.60	\$19.07	\$19.05
	Drain Pipe - 8"	LF	\$21.90	\$22.45	\$22.45
	Drain Pipe - 10"	LF	\$24.65	\$25.27	\$25.25
	Drain Pipe - 12"	LF	\$26.85	\$27.52	\$27.50
	Drain Pipe - 15"	LF	\$30.70	\$31.47	\$31.45
	Drain Pipe - 18"	LF	\$35.60	\$36.49	\$36.50
	Drain Pipe - 21"	LF	\$40.00	\$41.00	\$41.00
	Drain Pipe - 24"	LF	\$43.80	\$44.90	\$44.90
	Drain Pipe - 30"	LF	\$48.70	\$49.92	\$49.90
	Drain Pipe - 36"	LF	\$56.90	\$58.32	\$58.30
	Drain Pipe - 42"	LF	\$65.65	\$67.29	\$67.30
	Drain Pipe - 48"	LF	\$76.10	\$78.00	\$78.00
	Drain Pipe - 54"	LF	\$82.10	\$84.15	\$84.15
	Drain Pipe - 60"	LF	\$88.15	\$90.35	\$90.35
	Drain Pipe - 72"	LF	\$101.25	\$103.78	\$103.75
	Flared End Section - 18" & Under	EA	\$285.00	\$292.13	\$292.00
	Flared End Section - 21" to 36"	EA	\$372.00	\$381.30	\$381.00
	Flared End Section - 42" and Over	EA	\$569.00	\$583.23	\$583.00
	Drain Pipe - 21"x15" Arch Pipe	LF	\$50.90	\$52.17	\$52.15
	Drain Pipe - 24"x18" Arch Pipe	LF	\$56.90	\$58.32	\$58.30
	Drain Pipe - 28"x20" Arch Pipe	LF	\$63.50	\$65.09	\$65.10
	Drain Pipe - 35"x24" Arch Pipe	LF	\$69.50	\$71.24	\$71.25
	Drain Pipe - 42"x29" Arch Pipe	LF	\$75.50	\$77.39	\$77.40
	Drain Pipe - 49"x33" Arch Pipe	LF	\$82.05	\$84.10	\$84.10
	Drain Pipe - 57"x38" Arch Pipe	LF	\$88.70	\$90.92	\$90.90
	Drain Pipe - 64"x43" Arch Pipe	LF	\$101.80	\$104.35	\$104.35
	Drain Pipe - 71"x47" Arch Pipe	LF	\$113.90	\$116.75	\$116.75
	Concrete Box Culvert - 2'x4'	LF	\$56.95	\$58.37	\$58.35
	Concrete Box Culvert - 3'x6'	LF	\$94.15	\$96.50	\$96.50
	Concrete Box Culvert - 4'x8'	LF	\$139.05	\$142.53	\$142.50
	Concrete Box Culvert - 5'x10'	LF	\$170.75	\$175.02	\$175.00
	Headwall/wingwall	SF	\$17.50	\$17.94	\$17.95
	Catchbasin	EA	\$854.00	\$875.35	\$875.00
	Roadside drainage ditch	LF	\$9.30	\$9.53	\$9.55
	Drainage swale	LF	\$6.85	\$7.02	\$7.00
	Ditch - paved	LF	\$12.60	\$12.92	\$12.90
	Ditch - rock lined	LF	\$12.05	\$12.35	\$12.35
	No. 2 Calltrans ditch backing	CY	\$94.15	\$96.50	\$96.50
	Rock inlet/outlet protection	SF	\$13.70	\$14.04	\$14.05
	Paved apron/overside drain	EA	\$400.00	\$410.00	\$410.00
	AC dike/ditch transition	EA	\$400.00	\$410.00	\$410.00
	Channel lining	SF	\$2.85	\$2.92	\$2.90
	Trench paving (3" AC / 6" AB)	SF	\$2.85	\$2.92	\$2.90
	Trench paving (4" AC / 12" AB)	SF	\$4.05	\$4.15	\$4.15
	Sediment Trap	EA	\$3,777.00	\$3,871.43	\$3,870.00
	Detention facility, per acre of shed area	EA	\$5,693.00	\$5,836.33	\$5,835.00

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EXHIBIT A
Unit Cost Spreadsheet Comparing Current and Proposed Unit Costs
Plan Check and Inspection Services
Engineering and Surveying Department

JULY 7, 2009

C		Unit	Current Unit Cost	Proposed New Unit Cost (+2.5%)	Rounded New Unit Cost
UTILITIES					
	Utility trench and backfill	LF	\$18.65	\$19.12	\$19.10
	Joint trench road crossings and stubs	EA	\$1,259.00	\$1,290.48	\$1,290.00
	Relocate valve	EA	\$399.00	\$408.98	\$409.00
RETAINING WALLS					
	Retaining Wall	SF	\$16.95	\$17.37	\$17.35
	Sound Wall	SF	\$13.70	\$14.04	\$14.05
ROADWAYS					
	2" AC	SF	\$1.15	\$1.18	\$1.18
	3" AC	SF	\$1.45	\$1.49	\$1.50
	4" AC	SF	\$1.75	\$1.79	\$1.80
	6" AC	SF	\$2.85	\$2.92	\$2.90
	4" AB	SF	\$1.15	\$1.18	\$1.18
	6" AB	SF	\$1.75	\$1.79	\$1.80
	8" AB	SF	\$1.95	\$2.00	\$2.00
	10" AB	SF	\$2.30	\$2.36	\$2.35
	12" AB	SF	\$2.60	\$2.67	\$2.65
	Slurry seal	SF	\$0.45	\$0.46	\$0.46
	Chip seal	SF	\$0.50	\$0.51	\$0.51
	Double chip seal	SF	\$0.60	\$0.62	\$0.62
	2" AC overlay	SF	\$1.15	\$1.18	\$1.18
	3" AC overlay	SF	\$1.45	\$1.49	\$1.50
	AC dike	LF	\$3.40	\$3.49	\$3.50
	AB shoulder	SF	\$1.15	\$1.18	\$1.18
	PCC paving - 6"	SF	\$4.00	\$4.10	\$4.10
	Concrete curb	LF	\$11.50	\$11.79	\$11.80
	Concrete curb and gutter	LF	\$16.95	\$17.37	\$17.35
	Concrete V-gutter	SF	\$3.40	\$3.49	\$3.50
	Sidewalk (6" Thick)	SF	\$3.40	\$3.49	\$3.50
	Driveway (A6)	EA	\$1,698.00	\$1,740.45	\$1,740.00
	Pedestrian/Equestrian Path	SF	\$0.60	\$0.62	\$0.62
AMENITIES					
	Street light	EA	\$2,298.00	\$2,355.45	\$2,355.00
	Street light base	EA	\$251.75	\$258.04	\$258.00
	Street name sign	EA	\$284.50	\$291.61	\$292.00
	Traffic sign	EA	\$284.50	\$291.61	\$292.00
	Barricade (Plate R-24)	EA	\$940.00	\$963.50	\$964.00
	Barricade, remove	EA	\$186.00	\$190.65	\$191.00
	Barricade, pedestrian (Plate R-25)	EA	\$508.75	\$521.47	\$521.00
	Guide posts	EA	\$125.75	\$128.89	\$129.00
	Emergency vehicle gate	EA	\$1,148.00	\$1,176.70	\$1,177.00
	Fence - post & cable	LF	\$9.30	\$9.53	\$9.55
	Fence - open iron	LF	\$16.95	\$17.37	\$17.35
	Fence - split rail	LF	\$11.50	\$11.79	\$11.80
	Pavement marking	LF	\$1.15	\$1.18	\$1.18
	Fire tank - 10,000 gal. w/ hydrant	EA	\$11,490.00	\$11,777.25	\$11,780.00
	Trash enclosure	EA	\$2,792.00	\$2,861.80	\$2,862.00
	Guardrail	LF	\$115.10	\$117.98	\$118.00
	Guardrail - cable anchor assembly	EA	\$629.00	\$644.73	\$645.00
	Guardrail - terminal section	EA	\$629.00	\$644.73	\$645.00
	Survey monument & well (incl brass caps)	EA	\$575.00	\$589.38	\$589.00
	Landscaping	SF	\$2.30	\$2.36	\$2.35
	Traffic signal	EA	\$290,300.00	\$297,557.50	\$297,500.00
WINTERIZATION AND EROSION CONTROL					
	Construction fencing	LF	\$2.30	\$2.36	\$2.35
	Silt fencing	LF	\$3.40	\$3.49	\$3.50
	Inlet protection	EA	\$115.20	\$118.08	\$118.00
	Check dams	EA	\$229.85	\$235.60	\$236.00
	Straw bale dike	LF	\$2.85	\$2.92	\$2.90
	Hydroseed	AC	\$2,845.00	\$2,916.13	\$2,916.00
	Fiber blanket	SF	\$0.45	\$0.46	\$0.46
	Construction entrance	EA	\$569.00	\$583.23	\$583.00
	Sediment Trap	EA	\$628.00	\$643.70	\$644.00

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EXHIBIT A
Unit Cost Spreadsheet Comparing Current and Proposed Unit Costs
Plan Check and Inspection Services
Engineering and Surveying Department

JULY 7, 2009

ADDITIONAL COSTS IF WITHIN COUNTY SEWER DISTRICT, AND TO BE USED FOR PROJECT BONDING ESTIMATE		Unit	Current Unit Cost	Proposed New Unit Cost (+2.5%)	Rounded New Unit Cost
H.	SANITARY SEWER FACILITIES				
	Sewer MH - 48"	EA	\$2,617.00	\$2,579.93	\$2,580.00
	Sewer MH - 60"	EA	\$3,832.00	\$3,927.80	\$3,928.00
	Sewer Drop Connection - 6"	EA	\$454.00	\$465.35	\$465.00
	Sewer Drop Connection - 8"	EA	\$628.00	\$643.70	\$644.00
	Sewer Flushing Branch	EA	\$454.00	\$465.35	\$465.00
	Sewer Pipe - 4"	LF	\$21.90	\$22.45	\$22.45
	Sewer Pipe - 6"	LF	\$31.70	\$32.49	\$32.50
	Sewer Pipe - 8"	LF	\$35.00	\$35.88	\$35.90
	Sewer Pipe - 10"	LF	\$37.20	\$38.13	\$38.15
	Sewer Pipe - 12"	LF	\$40.50	\$41.51	\$41.50
	Sewer Service - 4"	EA	\$684.00	\$701.10	\$701.00
	Sewer Service - 6"	EA	\$800.00	\$820.00	\$820.00
	Sewer Service - 8"	EA	\$940.00	\$963.50	\$964.00
	Sewer Force Main - 1 1/2"	LF	\$10.40	\$10.66	\$10.65
	Sewer Force Main - 2"	LF	\$12.60	\$12.92	\$12.90
	Sewer Force Main - 4"	LF	\$16.95	\$17.37	\$17.35
	Sewer Force Main - 6"	LF	\$20.55	\$21.06	\$21.05
	4" flexible double ball expansion joint	EA	\$153.10	\$156.93	\$157.00
	6" flexible double ball expansion joint	EA	\$186.10	\$190.75	\$191.00
	4" check valve assembly	EA	\$684.00	\$701.10	\$701.00
	4" single bypass port assembly	EA	\$684.00	\$701.10	\$701.00
	Sewer lift station	EA	\$229,900.00	\$235,647.50	\$235,650.00
	Metering manhole	EA	\$6,266.00	\$6,422.65	\$6,423.00
	Sewer release valve assembly	EA	\$950.00	\$973.75	\$974.00
	Sewer Clean Out	EA	\$372.00	\$381.30	\$381.00
	Sewer - Adjust MH to Grade	EA	\$438.00	\$448.95	\$449.00
	Sewer - Connect to Existing	EA	\$940.00	\$963.50	\$964.00

ADDITIONAL COSTS FOR PROJECT BONDING ESTIMATE (Not Required For Fee Estimate, Just Bonding Estimate)		Unit	Current Unit Cost	Proposed New Unit Cost (+2.5%)	Rounded New Unit Cost
J.	WATER				
	Connect to Existing - Water	LS	\$630.00	\$645.75	\$646.00
	Water Pipe - 2"	LF	\$16.95	\$17.37	\$17.35
	Water Pipe - 4"	LF	\$26.15	\$26.78	\$26.80
	Water Pipe - 6"	LF	\$33.95	\$34.80	\$34.80
	Water Pipe - 8"	LF	\$39.40	\$40.39	\$40.40
	Water Pipe - 10"	LF	\$46.00	\$47.15	\$47.15
	Water Pipe - 12"	LF	\$56.90	\$58.32	\$58.30
	Water Pipe - 15"	LF	\$74.40	\$76.26	\$76.25
	Water Pipe - 18"	LF	\$85.45	\$87.59	\$87.60
	Water Pipe - 24"	LF	\$115.20	\$118.08	\$118.10
	Water - Air Relief Valve	EA	\$1,151.00	\$1,179.78	\$1,180.00
	Water - 2" Blow Off Valve	EA	\$929.00	\$952.23	\$952.00
	Backflow Device	EA	\$929.00	\$952.23	\$952.00
	8" Flexible Dbl-Ball Expansion Joint	EA	\$1,040.00	\$1,066.00	\$1,066.00
	Water Valve - 4" and under	EA	\$398.75	\$408.72	\$409.00
	Water Valve - 6"	EA	\$854.00	\$875.35	\$875.00
	Water Valve - 8"	EA	\$854.00	\$875.35	\$875.00
	Water Valve - 10"	EA	\$854.00	\$875.35	\$875.00
	Water Valve - 12"	EA	\$854.00	\$875.35	\$875.00
	Water Valve - 15"	EA	\$1,422.00	\$1,457.55	\$1,458.00
	Water Valve - 18"	EA	\$1,422.00	\$1,457.55	\$1,458.00
	Water Valve - 24"	EA	\$2,296.00	\$2,353.40	\$2,353.00
	Fire Department Connection	EA	\$1,224.00	\$1,254.60	\$1,255.00
	10" Check Valve	EA	\$3,420.00	\$3,505.50	\$3,505.00
	Fire Hydrant Assembly	EA	\$2,845.00	\$2,916.13	\$2,915.00
	Water Service With Meter - Under 1"	EA	\$520.00	\$533.00	\$533.00
	Water Service With Meter - 1"	EA	\$575.00	\$589.38	\$589.00
	Water Service With Meter - 1 1/2"	EA	\$684.00	\$701.10	\$701.00
	Water Service With Meter - 2"	EA	\$854.00	\$875.35	\$875.00

Before the Board of Supervisors County of Placer, State of California

In the matter of:

A Resolution to Adjust the Plan Check and Inspection Fee Spreadsheet Based on the Construction Cost Index, as published in the Engineering News Record.

Resolution No.: _____
FIRST READING: _____

The following Resolution was duly passed by the Board of Supervisors of the County of Placer at a regular meeting held July 7, 2009 by the following vote on roll call:

Ayes:

Noes:

Absent:

Signed and approved by me after its passage.

Attest:
Clerk of Said Board

Chairman, Board of Supervisors

BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF PLACER, STATE OF CALIFORNIA, AS FOLLOWS:

WHEREAS, in July 2001, the Board of Supervisors approved a plan check and inspection fee process that was based on a Standard Unit Cost Spreadsheet. The Board also authorized annual inflationary adjustments to the spreadsheet based on the Construction Cost Index (CCI) as published in the Engineering News Record (ENR).

WHEREAS, the CCI published an increase of Five and Four-Tenths Per Cent (5.4%) for the period between February 2008 and February 2009.

WHEREAS, an analysis of the details of the CCI suggest a peak occurred during this period, with the latter half of the period showing a lower inflationary trend for the CCI.

WHEREAS, there exists a reasonable relationship between the Standard Unit Cost Spreadsheet and the assessment of plan check and inspection fees upon which it is based.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Supervisors finds that a reasonable assessment of the current inflationary trends supports an increase in the Standard Unit Cost Spreadsheet of Two and One-Half Per Cent (2.5%).

THEREFORE, BE IT FURTHER RESOLVED, the Standard Unit Cost Spreadsheet as referred to in Placer County Code Section 16.08.170(G)(2) shall be modified per the attached Exhibit B effective August 10, 2009.

Attachment:

Exhibit B: Proposed Unit Cost Spreadsheet to be implemented August 10, 2009

EXHIBIT B
Placer County Community Development Resource Agency
Engineering and Surveying Department
Plan Check and Inspection Fee Spreadsheet

JULY 7, 2009
 Effective August 10, 2009

Project:
 Submitted By:

Date:

ENR Index: 8533 February 2009 / BOS Adopted June 23, 2009 / Effective August 10, 2009

	Item	Unit	Unit Cost	Quantity	Subtotal
A	EARTHWORK				
	Roadway excavation	CY	\$6.45		\$0.00
	Earthwork - import	CY	\$9.95		\$0.00
	Site grading and compaction	SF	\$0.62		\$0.00
	Export material	CY	\$7.60		\$0.00
	Clear and grub	AC	\$1,165.00		\$0.00
	Sawcut and remove existing AC	SF	\$1.19		\$0.00
				Subtotal A	\$0.00
B	STORM DRAINAGE				
	Storm Drain Drop Inlet	EA	\$1,460.00		\$0.00
	Storm Drain Manhole - 24"	EA	\$1,740.00		\$0.00
	Storm Drain Manhole - 36"	EA	\$1,740.00		\$0.00
	Storm Drain Manhole - 48"	EA	\$2,355.00		\$0.00
	Storm Drain Manhole - 60"	EA	\$3,500.00		\$0.00
	Storm Drain Manhole - 72"	EA	\$4,685.00		\$0.00
	Storm Drain Manhole With Trap - 36"	EA	\$2,525.00		\$0.00
	Storm Drain Manhole With Trap - 72"	EA	\$5,020.00		\$0.00
	Drain Pipe - 6" and Under	LF	\$19.05		\$0.00
	Drain Pipe - 8"	LF	\$22.45		\$0.00
	Drain Pipe - 10"	LF	\$25.25		\$0.00
	Drain Pipe - 12"	LF	\$27.50		\$0.00
	Drain Pipe - 15"	LF	\$31.45		\$0.00
	Drain Pipe - 18"	LF	\$36.50		\$0.00
	Drain Pipe - 21"	LF	\$41.00		\$0.00
	Drain Pipe - 24"	LF	\$44.90		\$0.00
	Drain Pipe - 30"	LF	\$49.90		\$0.00
	Drain Pipe - 36"	LF	\$58.30		\$0.00
	Drain Pipe - 42"	LF	\$67.30		\$0.00
	Drain Pipe - 48"	LF	\$78.00		\$0.00
	Drain Pipe - 54"	LF	\$84.15		\$0.00
	Drain Pipe - 60"	LF	\$90.35		\$0.00
	Drain Pipe - 72"	LF	\$103.75		\$0.00
	Flared End Section - 18" & Under	EA	\$292.00		\$0.00
	Flared End Section - 21" to 36"	EA	\$381.00		\$0.00
	Flared End Section - 42" and Over	EA	\$583.00		\$0.00
	Drain Pipe - 21"x15" Arch Pipe	LF	\$52.15		\$0.00
	Drain Pipe - 24"x18" Arch Pipe	LF	\$58.30		\$0.00
	Drain Pipe - 28"x20" Arch Pipe	LF	\$65.10		\$0.00
	Drain Pipe - 35"x24" Arch Pipe	LF	\$71.25		\$0.00
	Drain Pipe - 42"x29" Arch Pipe	LF	\$77.40		\$0.00
	Drain Pipe - 49"x33" Arch Pipe	LF	\$84.10		\$0.00
	Drain Pipe - 57"x38" Arch Pipe	LF	\$90.90		\$0.00
	Drain Pipe - 64"x43" Arch Pipe	LF	\$104.35		\$0.00
	Drain Pipe - 71"x47" Arch Pipe	LF	\$116.75		\$0.00
	Concrete Box Culvert - 2'x4'	LF	\$58.35		\$0.00
	Concrete Box Culvert - 3'x6'	LF	\$96.50		\$0.00
	Concrete Box Culvert - 4'x8'	LF	\$142.50		\$0.00
	Concrete Box Culvert - 5'x10'	LF	\$195.00		\$0.00
	Headwall/wingwall	SF	\$17.95		\$0.00
	Catchbasin	EA	\$875.00		\$0.00
	Roadside drainage ditch	LF	\$9.55		\$0.00
	Drainage swale	LF	\$7.00		\$0.00
	Ditch - paved	LF	\$12.90		\$0.00
	Ditch - rock lined	LF	\$12.35		\$0.00
	No. 2 Caltrans ditch backing	CY	\$96.50		\$0.00
	Rock inlet/outlet protection	SF	\$14.05		\$0.00
	Paved apron/overside drain	EA	\$410.00		\$0.00
	AC dike/ditch transition	EA	\$410.00		\$0.00
	Channel lining	SF	\$2.90		\$0.00
	Trench paving (3" AC / 6" AB)	SF	\$2.90		\$0.00
	Trench paving (4" AC / 12" AB)	SF	\$4.15		\$0.00
	Sediment Trap	EA	\$3,870.00		\$0.00
	Detention facility, per acre of shed area	EA	\$5,835.00		\$0.00
				Subtotal B	\$0.00

EXHIBIT B
Placer County Community Development Resource Agency
Engineering and Surveying Department
Plan Check and Inspection Fee Spreadsheet

JULY 7, 2009
 Effective August 10, 2009

C UTILITIES	Unit	Unit Cost	Quantity	Subtotal
Utility trench and backfill	LF	\$19.10		\$0.00
Joint trench road crossings and stubs	EA	\$1,290.00		\$0.00
Relocate valve	EA	\$409.00		\$0.00
Subtotal C				\$0.00
D RETAINING WALLS				
Retaining Wall	SF	\$17.35		\$0.00
Sound Wall	SF	\$14.05		\$0.00
Subtotal D				\$0.00
E. ROADWAYS				
2" AC	SF	\$1.18		\$0.00
3" AC	SF	\$1.50		\$0.00
4" AC	SF	\$1.80		\$0.00
6" AC	SF	\$2.90		\$0.00
4" AB	SF	\$1.18		\$0.00
6" AB	SF	\$1.80		\$0.00
8" AB	SF	\$2.00		\$0.00
10" AB	SF	\$2.35		\$0.00
12" AB	SF	\$2.65		\$0.00
Slurry seal	SF	\$0.46		\$0.00
Chip seal	SF	\$0.51		\$0.00
Double chip seal	SF	\$0.62		\$0.00
2" AC overlay	SF	\$1.18		\$0.00
3" AC overlay	SF	\$1.50		\$0.00
AC dike	LF	\$3.50		\$0.00
AB shoulder	SF	\$1.18		\$0.00
PCC paving - 6"	SF	\$4.10		\$0.00
Concrete curb	LF	\$11.80		\$0.00
Concrete curb and gutter	LF	\$17.35		\$0.00
Concrete V-gutter	SF	\$3.50		\$0.00
Sidewalk (6" Thick)	SF	\$3.50		\$0.00
Driveway (A6)	EA	\$1,740.00		\$0.00
Pedestrian/Equestrian Path	SF	\$0.62		\$0.00
Subtotal E				\$0.00
F. AMENITIES				
Street light	EA	\$2,355.00		\$0.00
Street light base	EA	\$258.00		\$0.00
Street name sign	EA	\$292.00		\$0.00
Traffic sign	EA	\$292.00		\$0.00
Barricade (Plate R-24)	EA	\$964.00		\$0.00
Barricade, remove	EA	\$191.00		\$0.00
Barricade, pedestrian (Plate R-25)	EA	\$521.00		\$0.00
Guide posts	EA	\$129.00		\$0.00
Emergency vehicle gate	EA	\$1,177.00		\$0.00
Fence - post & cable	LF	\$9.55		\$0.00
Fence - open iron	LF	\$17.35		\$0.00
Fence - split rail	LF	\$11.80		\$0.00
Pavement marking	LF	\$1.18		\$0.00
Fire tank - 10,000 gal. w/ hydrant	EA	\$11,780.00		\$0.00
Trash enclosure	EA	\$2,862.00		\$0.00
Guardrail	LF	\$118.00		\$0.00
Guardrail - cable anchor assembly	EA	\$645.00		\$0.00
Guardrail - terminal section	EA	\$645.00		\$0.00
Survey monument & well (incl brass caps)	EA	\$589.00		\$0.00
Landscaping	SF	\$2.35		\$0.00
Traffic signal	EA	\$297,500.00		\$0.00
Subtotal F				\$0.00
G. WINTERIZATION AND EROSION CONTROL				
Construction fencing	LF	\$2.35		\$0.00
Silt fencing	LF	\$3.50		\$0.00
Inlet protection	EA	\$118.00		\$0.00
Check dams	EA	\$236.00		\$0.00
Straw bale dike	LF	\$2.90		\$0.00
Hydroseed	AC	\$2,916.00		\$0.00
Fiber blanket	SF	\$0.46		\$0.00
Construction entrance	EA	\$583.00		\$0.00
Sediment Trap	EA	\$644.00		\$0.00
Subtotal G				\$0.00

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EXHIBIT B
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H.	SANITARY SEWER FACILITIES	Unit	Unit Cost	Quantity	Subtotal
	<i>(If within County Sewer District, and for project bonding)</i>				
	Sewer MH - 48"	EA	\$2,580.00		\$0.00
	Sewer MH - 60"	EA	\$3,928.00		\$0.00
	Sewer Drop Connection - 6"	EA	\$465.00		\$0.00
	Sewer Drop Connection - 8"	EA	\$644.00		\$0.00
	Sewer Flushing Branch	EA	\$465.00		\$0.00
	Sewer Pipe - 4"	LF	\$22.45		\$0.00
	Sewer Pipe - 6"	LF	\$32.50		\$0.00
	Sewer Pipe - 8"	LF	\$35.90		\$0.00
	Sewer Pipe - 10"	LF	\$38.15		\$0.00
	Sewer Pipe - 12"	LF	\$41.50		\$0.00
	Sewer Service - 4"	EA	\$701.00		\$0.00
	Sewer Service - 6"	EA	\$820.00		\$0.00
	Sewer Service - 8"	EA	\$964.00		\$0.00
	Sewer Force Main - 1 1/2"	LF	\$10.65		\$0.00
	Sewer Force Main - 2"	LF	\$12.90		\$0.00
	Sewer Force Main - 4"	LF	\$17.35		\$0.00
	Sewer Force Main - 6"	LF	\$21.05		\$0.00
	4" flexible double ball expansion joint	EA	\$157.00		\$0.00
	6" flexible double ball expansion joint	EA	\$191.00		\$0.00
	4" check valve assembly	EA	\$701.00		\$0.00
	4" single bypass port assembly	EA	\$701.00		\$0.00
	Sewer lift station	EA	\$235,650.00		\$0.00
	Metering manhole	EA	\$6,423.00		\$0.00
	Sewer release valve assembly	EA	\$974.00		\$0.00
	Sewer Clean Out	EA	\$381.00		\$0.00
	Sewer - Adjust MH to Grade	EA	\$449.00		\$0.00
	Sewer - Connect to Existing	EA	\$964.00		\$0.00
				Subtotal H	\$0.00
I	ADDITIONAL COSTS (List)				
				Subtotal I	\$0.00

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EXHIBIT B
Placer County Community Development Resource Agency
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SUMMARY OF COSTS & FEES

A	EARTHWORK			\$0.00
B	STORM DRAINAGE			\$0.00
C	UTILITIES			\$0.00
D	RETAINING WALLS			\$0.00
E	ROADWAYS			\$0.00
F	AMENITIES			\$0.00
G	WINTERIZATION AND EROSION CONTROL			\$0.00
H	SANITARY SEWER FACILITIES			\$0.00
I	ADDITIONAL COSTS			\$0.00
	SUBTOTAL - ENGINEER'S ESTIMATE			\$0.00
	10% CONTINGENCY			\$0.00
	TOTAL			\$0.00
	TOTAL FEE (See Schedule of Fees)			\$2,660.00
	INITIAL SUBMITTAL - Plan Check Fee Portion (40%)			\$1,064.00
	FINAL SUBMITTAL - Inspection Fee Portion (60%)			\$1,596.00

	ADDITIONAL COSTS FOR PROJECT BOND ESTIMATE	Unit	Unit Cost	Quantity	Subtotal
J.	WATER				
	Connect to Existing - Water	LS	\$846.00		\$0.00
	Water Pipe - 2"	LF	\$17.35		\$0.00
	Water Pipe - 4"	LF	\$25.80		\$0.00
	Water Pipe - 6"	LF	\$34.80		\$0.00
	Water Pipe - 8"	LF	\$40.40		\$0.00
	Water Pipe - 10"	LF	\$47.15		\$0.00
	Water Pipe - 12"	LF	\$58.30		\$0.00
	Water Pipe - 15"	LF	\$76.25		\$0.00
	Water Pipe - 18"	LF	\$97.60		\$0.00
	Water Pipe - 24"	LF	\$118.10		\$0.00
	Water - Air Relief Valve	EA	\$1,180.00		\$0.00
	Water - 2" Blow Off Valve	EA	\$952.00		\$0.00
	Backflow Device	EA	\$952.00		\$0.00
	8" Flexible Dbl-Ball Expansion Joint	EA	\$1,066.00		\$0.00
	Water Valve - 4" and under	EA	\$409.00		\$0.00
	Water Valve - 6"	EA	\$875.00		\$0.00
	Water Valve - 8"	EA	\$875.00		\$0.00
	Water Valve - 10"	EA	\$875.00		\$0.00
	Water Valve - 12"	EA	\$875.00		\$0.00
	Water Valve - 15"	EA	\$1,458.00		\$0.00
	Water Valve - 18"	EA	\$1,458.00		\$0.00
	Water Valve - 24"	EA	\$2,353.00		\$0.00
	Fire Department Connection	EA	\$1,255.00		\$0.00
	10" Check Valve	EA	\$3,505.00		\$0.00
	Fire Hydrant Assembly	EA	\$2,915.00		\$0.00
	Water Service With Meter - Under 1"	EA	\$533.00		\$0.00
	Water Service With Meter - 1"	EA	\$689.00		\$0.00
	Water Service With Meter - 1 1/2"	EA	\$701.00		\$0.00
	Water Service With Meter - 2"	EA	\$875.00		\$0.00
				Subtotal J	\$0.00

