



COUNTY OF PLACER
Community Development Resource Agency

**ENGINEERING &
SURVEYING**

Michael J. Johnson, AICP
Agency Director

Wes Zicker, PE
Director

MEMORANDUM

TO: Honorable Board of Supervisors **DATE:** September 28, 2010

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

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

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 1.6%, to become effective November 1, 2010.

BACKGROUND

The County reviews construction drawings and inspects infrastructure construction for private development, such as roads and serving utilities, in accordance with County Code and standard engineering practices. Per County Code, a Plan Check and Inspection Fee is charged to cover the County's cost to provide this service. The fee is assessed as a percentage of the infrastructure cost. To develop a representative infrastructure cost, County Code requires the design engineer to submit a cost estimate using the County's Plan Check and Inspection Fee Spreadsheet as put in place by your Board in July 2001. To ensure that the unit costs in the spreadsheet represent current construction costs in Placer County, and to keep pace with inflation, County Code 16.08.170(G) allows for annual adjustments based on the prior year February to February Construction Cost Index. For the period of February 2009 to February 2010, the Construction Cost Index rose from 8533 to 8672, respectively; a 1.6% annual increase.

The Community Development Resource Agency, Engineering & Surveying Department, requests that your Board approve an inflationary increase to the Plan Check and Inspection Fee Spreadsheet of 1.6%. Should your Board choose to adopt the increase, Exhibit A illustrates the proposed unit costs, rounded to significant figures, as compared with the current unit costs. Attachment A of the Resolution illustrates the actual spreadsheet that would go into effect on November 1, 2010. If adopted, the Community Development Resource Agency will circulate the new spreadsheet to the development community in advance of its effective date.

On July 13, 2010 your Board continued this item to allow staff time to discuss the proposed increase in fee with the Building Industry Association. We have done so and the BIA did not indicate an opposition to the increase provided that the County acknowledged a need to be efficient and cost effective in providing the plan check services. Staff believes that recent and ongoing process improvements directed by the Board have been effective in controlling costs for this service.

ENVIRONMENTAL

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

FISCAL IMPACT

This adjustment conforms to County Ordinance, 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 Adjusting the Plan Check and Inspection Fee Spreadsheet

EXHIBIT A
Unit Cost Spreadsheet Comparing Current and Proposed Unit Costs
Plan Check and Inspection Services
Engineering and Surveying Department
September 28, 2010

	Item	Unit	Current Unit Cost	Proposed New Unit Cost (+1.6%)	Rounded New Unit Cost
A	EARTHWORK				
	Roadway excavation	CY	\$6.45	\$6.55	\$6.55
	Earthwork - import	CY	\$9.95	\$10.11	\$10.10
	Site grading and compaction	SF	\$0.62	\$0.63	\$0.63
	Export material	CY	\$7.60	\$7.72	\$7.72
	Clear and grub	AC	\$1,165.00	\$1,183.64	\$1,185.00
	Sawcut and remove existing AC	SF	\$1.19	\$1.21	\$1.21
B	STORM DRAINAGE				
	Storm Drain Drop Inlet	EA	\$1,460.00	\$1,483.36	\$1,485.00
	Storm Drain Manhole - 24"	EA	\$1,740.00	\$1,767.84	\$1,770.00
	Storm Drain Manhole - 36"	EA	\$1,740.00	\$1,767.84	\$1,770.00
	Storm Drain Manhole - 48"	EA	\$2,355.00	\$2,392.68	\$2,395.00
	Storm Drain Manhole - 60"	EA	\$3,500.00	\$3,556.00	\$3,555.00
	Storm Drain Manhole - 72"	EA	\$4,685.00	\$4,759.96	\$4,760.00
	Storm Drain Manhole With Trap - 36"	EA	\$2,525.00	\$2,565.40	\$2,565.00
	Storm Drain Manhole With Trap - 72"	EA	\$5,020.00	\$5,100.32	\$5,100.00
	Drain Pipe - 6" and Under	LF	\$19.05	\$19.35	\$19.35
	Drain Pipe - 8"	LF	\$22.45	\$22.81	\$22.80
	Drain Pipe - 10"	LF	\$25.25	\$25.65	\$25.65
	Drain Pipe - 12"	LF	\$27.50	\$27.94	\$27.95
	Drain Pipe - 15"	LF	\$31.45	\$31.95	\$31.95
	Drain Pipe - 18"	LF	\$36.50	\$37.08	\$37.10
	Drain Pipe - 21"	LF	\$41.00	\$41.66	\$41.65
	Drain Pipe - 24"	LF	\$44.90	\$45.62	\$45.60
	Drain Pipe - 30"	LF	\$49.90	\$50.70	\$50.70
	Drain Pipe - 36"	LF	\$58.30	\$59.23	\$59.25
	Drain Pipe - 42"	LF	\$67.30	\$68.38	\$68.40
	Drain Pipe - 48"	LF	\$78.00	\$79.25	\$79.25
	Drain Pipe - 54"	LF	\$84.15	\$85.50	\$85.50
	Drain Pipe - 60"	LF	\$90.35	\$91.80	\$91.80
	Drain Pipe - 72"	LF	\$103.75	\$105.41	\$105.40
	Flared End Section - 18" & Under	EA	\$292.00	\$296.67	\$297.00
	Flared End Section - 21" to 36"	EA	\$381.00	\$387.10	\$387.00
	Flared End Section - 42" and Over	EA	\$583.00	\$592.33	\$592.00
	Drain Pipe - 21"x15" Arch Pipe	LF	\$52.15	\$52.98	\$53.00
	Drain Pipe - 24"x18" Arch Pipe	LF	\$58.30	\$59.23	\$59.25
	Drain Pipe - 28"x20" Arch Pipe	LF	\$65.10	\$66.14	\$66.15
	Drain Pipe - 35"x24" Arch Pipe	LF	\$71.25	\$72.39	\$72.40
	Drain Pipe - 42"x29" Arch Pipe	LF	\$77.40	\$78.64	\$78.65
	Drain Pipe - 49"x33" Arch Pipe	LF	\$84.10	\$85.45	\$85.45
	Drain Pipe - 57"x38" Arch Pipe	LF	\$90.90	\$92.35	\$92.35
	Drain Pipe - 64"x43" Arch Pipe	LF	\$104.35	\$106.02	\$106.00
	Drain Pipe - 71"x47" Arch Pipe	LF	\$116.75	\$118.62	\$118.50
	Concrete Box Culvert - 2'x4'	LF	\$58.35	\$59.28	\$59.30
	Concrete Box Culvert - 3'x6'	LF	\$96.50	\$98.04	\$98.00
	Concrete Box Culvert - 4'x8'	LF	\$142.50	\$144.78	\$144.75
	Concrete Box Culvert - 5'x10'	LF	\$195.00	\$198.12	\$198.00
	Headwall/wingwall	SF	\$17.95	\$18.24	\$18.25
	Catchbasin	EA	\$875.00	\$889.00	\$889.00
	Roadside drainage ditch	LF	\$9.55	\$9.70	\$9.70
	Drainage swale	LF	\$7.00	\$7.11	\$7.11
	Ditch - paved	LF	\$12.90	\$13.11	\$13.10
	Ditch - rock lined	LF	\$12.35	\$12.55	\$12.55
	No. 2 Caltrans ditch backing	CY	\$96.50	\$98.04	\$98.00
	Rock inlet/outlet protection	SF	\$14.05	\$14.27	\$14.25
	Paved apron/overside drain	EA	\$410.00	\$416.56	\$417.00
	AC dike/ditch transition	EA	\$410.00	\$416.56	\$417.00
	Channel lining	SF	\$2.90	\$2.95	\$2.95
	Trench paving (3" AC / 6" AB)	SF	\$2.90	\$2.95	\$2.95
	Trench paving (4" AC / 12" AB)	SF	\$4.15	\$4.22	\$4.22
	Sediment Trap	EA	\$3,870.00	\$3,931.92	\$3,930.00
	Detention facility, per acre of shed area	EA	\$5,835.00	\$5,928.36	\$5,930.00

EXHIBIT A
Unit Cost Spreadsheet Comparing Current and Proposed Unit Costs
Plan Check and Inspection Services
Engineering and Surveying Department
September 28, 2010

C	UTILITIES	Unit	Current Unit Cost	Proposed New Unit Cost (+2.5%)	Rounded New Unit Cost
	Utility trench and backfill	LF	\$19.10	\$19.41	\$19.40
	Joint trench road crossings and stubs	EA	\$1,290.00	\$1,310.64	\$1,310.00
	Relocate valve	EA	\$409.00	\$415.54	\$415.50
D	RETAINING WALLS				
	Retaining Wall	SF	\$17.35	\$17.63	\$17.65
	Sound Wall	SF	\$14.05	\$14.27	\$14.25
E.	ROADWAYS				
	2" AC	SF	\$1.18	\$1.20	\$1.20
	3" AC	SF	\$1.50	\$1.52	\$1.52
	4" AC	SF	\$1.80	\$1.83	\$1.83
	6" AC	SF	\$2.90	\$2.95	\$2.95
	4" AB	SF	\$1.18	\$1.20	\$1.20
	6" AB	SF	\$1.80	\$1.83	\$1.83
	8" AB	SF	\$2.00	\$2.03	\$2.03
	10" AB	SF	\$2.35	\$2.39	\$2.39
	12" AB	SF	\$2.65	\$2.69	\$2.69
	Slurry seal	SF	\$0.46	\$0.47	\$0.47
	Chip seal	SF	\$0.51	\$0.52	\$0.52
	Double chip seal	SF	\$0.62	\$0.63	\$0.63
	2" AC overlay	SF	\$1.18	\$1.20	\$1.20
	3" AC overlay	SF	\$1.50	\$1.52	\$1.52
	AC dike	LF	\$3.50	\$3.56	\$3.56
	AB shoulder	SF	\$1.18	\$1.20	\$1.20
	PCC paving - 6"	SF	\$4.10	\$4.17	\$4.17
	Concrete curb	LF	\$11.80	\$11.99	\$12.00
	Concrete curb and gutter	LF	\$17.35	\$17.63	\$17.65
	Concrete V-gutter	SF	\$3.50	\$3.56	\$3.56
	Sidewalk (6" Thick)	SF	\$3.50	\$3.56	\$3.56
	Driveway (A6)	EA	\$1,740.00	\$1,767.84	\$1,770.00
	Pedestrian/Equestrian Path	SF	\$0.62	\$0.63	\$0.63
F.	AMENITIES				
	Street light	EA	\$2,355.00	\$2,392.68	\$2,395.00
	Street light base	EA	\$258.00	\$262.13	\$262.00
	Street name sign	EA	\$292.00	\$296.67	\$297.00
	Traffic sign	EA	\$292.00	\$296.67	\$297.00
	Barricade (Plate R-24)	EA	\$964.00	\$979.42	\$980.00
	Barricade, remove	EA	\$191.00	\$194.06	\$194.00
	Barricade, pedestrian (Plate R-25)	EA	\$521.00	\$529.34	\$529.00
	Guide posts	EA	\$129.00	\$131.06	\$131.00
	Emergency vehicle gate	EA	\$1,177.00	\$1,195.83	\$1,195.00
	Fence - post & cable	LF	\$9.55	\$9.70	\$9.70
	Fence - open iron	LF	\$17.35	\$17.63	\$17.65
	Fence - split rail	LF	\$11.80	\$11.99	\$12.00
	Pavement marking	LF	\$1.18	\$1.20	\$1.20
	Fire tank - 10,000 gal, w/ hydrant	EA	\$11,780.00	\$11,968.48	\$11,970.00
	Trash enclosure	EA	\$2,862.00	\$2,907.79	\$2,908.00
	Guardrail	LF	\$118.00	\$119.89	\$120.00
	Guardrail - cable anchor assembly	EA	\$645.00	\$655.32	\$655.00
	Guardrail - terminal section	EA	\$645.00	\$655.32	\$655.00
	Survey monument & well (incl brass caps)	EA	\$589.00	\$598.42	\$598.00
	Landscaping	SF	\$2.35	\$2.39	\$2.39
	Traffic signal	EA	\$297,500.00	\$302,260.00	\$302,250.00
G.	WINTERIZATION AND EROSION CONTROL				
	Construction fencing	LF	\$2.35	\$2.39	\$2.39
	Silt fencing	LF	\$3.50	\$3.56	\$3.56
	Inlet protection	EA	\$118.00	\$119.89	\$120.00
	Check dams	EA	\$236.00	\$239.78	\$240.00
	Straw bale dike	LF	\$2.90	\$2.95	\$2.95
	Hydroseed	AC	\$2,916.00	\$2,962.66	\$2,965.00
	Fiber blanket	SF	\$0.46	\$0.47	\$0.47
	Construction entrance	EA	\$583.00	\$592.33	\$592.00
	Sediment Trap	EA	\$644.00	\$654.30	\$654.00

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

September 28, 2010

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	\$2,580.00	\$2,621.28	\$2,620.00
	Sewer MH - 60"	EA	\$3,928.00	\$3,990.85	\$3,990.00
	Sewer Drop Connection - 6"	EA	\$465.00	\$472.44	\$472.50
	Sewer Drop Connection - 8"	EA	\$644.00	\$654.30	\$654.00
	Sewer Flushing Branch	EA	\$465.00	\$472.44	\$472.50
	Sewer Pipe - 4"	LF	\$22.45	\$22.81	\$22.80
	Sewer Pipe - 6"	LF	\$32.50	\$33.02	\$33.00
	Sewer Pipe - 8"	LF	\$35.90	\$36.47	\$36.45
	Sewer Pipe - 10"	LF	\$38.15	\$38.76	\$38.75
	Sewer Pipe - 12"	LF	\$41.50	\$42.16	\$42.15
	Sewer Service - 4"	EA	\$701.00	\$712.22	\$712.00
	Sewer Service - 6"	EA	\$820.00	\$833.12	\$833.00
	Sewer Service - 8"	EA	\$964.00	\$979.42	\$979.00
	Sewer Force Main - 1 1/2"	LF	\$10.65	\$10.82	\$10.80
	Sewer Force Main - 2"	LF	\$12.90	\$13.11	\$13.10
	Sewer Force Main - 4"	LF	\$17.35	\$17.63	\$17.65
	Sewer Force Main - 6"	LF	\$21.05	\$21.39	\$21.40
	4" flexible double ball expansion joint	EA	\$157.00	\$159.51	\$159.50
	6" flexible double ball expansion joint	EA	\$191.00	\$194.06	\$194.00
	4" check valve assembly	EA	\$701.00	\$712.22	\$712.00
	4" single bypass port assembly	EA	\$701.00	\$712.22	\$712.00
	Sewer lift station	EA	\$235,650.00	\$239,420.40	\$239,400.00
	Metering manhole	EA	\$6,423.00	\$6,525.77	\$6,525.00
	Sewer release valve assembly	EA	\$974.00	\$989.58	\$990.00
	Sewer Clean Out	EA	\$381.00	\$387.10	\$387.00
	Sewer - Adjust MH to Grade	EA	\$449.00	\$456.18	\$456.00
	Sewer - Connect to Existing	EA	\$964.00	\$979.42	\$979.00

ADDITIONAL COSTS FOR PROJECT BONDING ESTIMATE (Not Required For Fee Estimate, Just Bonding Estimate)		Unit	Current Unit Cost	Proposed New Unit Cost (+1.6%)	Rounded New Unit Cost
J. WATER					
	Connect to Existing - Water	LS	\$646.00	\$656.34	\$656.00
	Water Pipe - 2"	LF	\$17.35	\$17.63	\$17.65
	Water Pipe - 4"	LF	\$25.80	\$26.21	\$26.20
	Water Pipe - 6"	LF	\$34.80	\$35.36	\$35.35
	Water Pipe - 8"	LF	\$40.40	\$41.05	\$41.05
	Water Pipe - 10"	LF	\$47.15	\$47.90	\$47.90
	Water Pipe - 12"	LF	\$58.30	\$59.23	\$59.25
	Water Pipe - 15"	LF	\$76.25	\$77.47	\$77.50
	Water Pipe - 18"	LF	\$87.60	\$89.00	\$89.00
	Water Pipe - 24"	LF	\$118.10	\$119.99	\$120.00
	Water - Air Relief Valve	EA	\$1,180.00	\$1,198.88	\$1,199.00
	Water - 2" Blow Off Valve	EA	\$952.00	\$967.23	\$967.00
	Backflow Device	EA	\$952.00	\$967.23	\$967.00
	8" Flexible Dbl-Ball Expansion Joint	EA	\$1,066.00	\$1,083.06	\$1,083.00
	Water Valve - 4" and under	EA	\$409.00	\$415.54	\$415.50
	Water Valve - 6"	EA	\$875.00	\$889.00	\$889.00
	Water Valve - 8"	EA	\$875.00	\$889.00	\$889.00
	Water Valve - 10"	EA	\$875.00	\$889.00	\$889.00
	Water Valve - 12"	EA	\$875.00	\$889.00	\$889.00
	Water Valve - 15"	EA	\$1,458.00	\$1,481.33	\$1,480.00
	Water Valve - 18"	EA	\$1,458.00	\$1,481.33	\$1,480.00
	Water Valve - 24"	EA	\$2,353.00	\$2,390.65	\$2,390.00
	Fire Department Connection	EA	\$1,255.00	\$1,275.08	\$1,275.00
	10" Check Valve	EA	\$3,505.00	\$3,561.08	\$3,560.00
	Fire Hydrant Assembly	EA	\$2,915.00	\$2,961.64	\$2,960.00
	Water Service With Meter - Under 1"	EA	\$533.00	\$541.53	\$541.50
	Water Service With Meter - 1"	EA	\$589.00	\$598.42	\$598.00
	Water Service With Meter - 1 1/2"	EA	\$701.00	\$712.22	\$712.00
	Water Service With Meter - 2"	EA	\$875.00	\$889.00	\$889.00

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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 September 28, 2010 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 standard unit cost as outlined in the Plan Check and Inspection Fee Spreadsheet. The Board also authorized annual inflationary adjustments to the spreadsheet based on the Construction Cost Index as published in the Engineering News Record (ENR).

WHEREAS, the Engineering News Record published an increase of One and Six Tenths percent (1.6%) in the Construction Cost Index for the period between February 2009 and February 2010.

WHEREAS, there exists a reasonable relationship between the unit costs in the Plan Check and Inspection Fee Spreadsheet and the assessment of plan check and inspection fees upon which it is based.

WHEREAS, there exists a reasonable relationship between inflationary increases in the Construction Cost Index and inflationary increases in the unit costs presented in the Plan Check and Inspection Fee Spreadsheet.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Supervisors finds that a reasonable assessment of the current inflationary trend supports an increase in the unit cost of the Plan Check and Inspection Fee Spreadsheet of One and Six Tenths percent (1.6%).

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 Attachment A effective November 1, 2010.

Attachment A: Proposed Plan Check and Inspection Fee Spreadsheet to become effective November 1, 2010

Attachment A
Proposed Plan Check and Inspection Fee Spreadsheet
Plan Check and Inspection Services
 To Become Effective November 1, 2010

Project:
Submitted By:

Date:

ENR Index: 8672, February 2010 / BOS Adopted September 28, 2010 / Effective November 1, 2010

	Item	Unit	Unit Cost	Quantity	Subtotal
A	EARTHWORK				
	Roadway excavation	CY	\$6.55		\$0.00
	Earthwork - import	CY	\$10.10		\$0.00
	Site grading and compaction	SF	\$0.63		\$0.00
	Export material	CY	\$7.72		\$0.00
	Clear and grub	AC	\$1,185.00		\$0.00
	Sawcut and remove existing AC	SF	\$1.21		\$0.00
				Subtotal A	\$0.00
B	STORM DRAINAGE				
	Storm Drain Drop Inlet	EA	\$1,485.00		\$0.00
	Storm Drain Manhole - 24"	EA	\$1,770.00		\$0.00
	Storm Drain Manhole - 36"	EA	\$1,770.00		\$0.00
	Storm Drain Manhole - 48"	EA	\$2,395.00		\$0.00
	Storm Drain Manhole - 60"	EA	\$3,555.00		\$0.00
	Storm Drain Manhole - 72"	EA	\$4,760.00		\$0.00
	Storm Drain Manhole With Trap - 36"	EA	\$2,565.00		\$0.00
	Storm Drain Manhole With Trap - 72"	EA	\$5,100.00		\$0.00
	Drain Pipe - 6" and Under	LF	\$19.35		\$0.00
	Drain Pipe - 8"	LF	\$22.80		\$0.00
	Drain Pipe - 10"	LF	\$25.65		\$0.00
	Drain Pipe - 12"	LF	\$27.95		\$0.00
	Drain Pipe - 15"	LF	\$31.95		\$0.00
	Drain Pipe - 18"	LF	\$37.10		\$0.00
	Drain Pipe - 21"	LF	\$41.65		\$0.00
	Drain Pipe - 24"	LF	\$45.60		\$0.00
	Drain Pipe - 30"	LF	\$50.70		\$0.00
	Drain Pipe - 36"	LF	\$59.25		\$0.00
	Drain Pipe - 42"	LF	\$68.40		\$0.00
	Drain Pipe - 48"	LF	\$79.25		\$0.00
	Drain Pipe - 54"	LF	\$85.50		\$0.00
	Drain Pipe - 60"	LF	\$91.80		\$0.00
	Drain Pipe - 72"	LF	\$105.40		\$0.00
	Flared End Section - 18" & Under	EA	\$297.00		\$0.00
	Flared End Section - 21" to 36"	EA	\$387.00		\$0.00
	Flared End Section - 42" and Over	EA	\$592.00		\$0.00
	Drain Pipe - 21"x15" Arch Pipe	LF	\$53.00		\$0.00
	Drain Pipe - 24"x18" Arch Pipe	LF	\$59.25		\$0.00
	Drain Pipe - 28"x20" Arch Pipe	LF	\$66.15		\$0.00
	Drain Pipe - 35"x24" Arch Pipe	LF	\$72.40		\$0.00
	Drain Pipe - 42"x29" Arch Pipe	LF	\$78.65		\$0.00
	Drain Pipe - 49"x33" Arch Pipe	LF	\$85.45		\$0.00
	Drain Pipe - 57"x38" Arch Pipe	LF	\$92.35		\$0.00
	Drain Pipe - 64"x43" Arch Pipe	LF	\$106.00		\$0.00
	Drain Pipe - 71"x47" Arch Pipe	LF	\$118.50		\$0.00
	Concrete Box Culvert - 2'x4'	LF	\$59.30		\$0.00
	Concrete Box Culvert - 3'x6'	LF	\$98.00		\$0.00
	Concrete Box Culvert - 4'x8'	LF	\$144.75		\$0.00
	Concrete Box Culvert - 5'x10'	LF	\$198.00		\$0.00
	Headwall/wingwall	SF	\$18.25		\$0.00
	Catchbasin	EA	\$889.00		\$0.00
	Roadside drainage ditch	LF	\$9.70		\$0.00
	Drainage swale	LF	\$7.11		\$0.00
	Ditch - paved	LF	\$13.10		\$0.00
	Ditch - rock lined	LF	\$12.55		\$0.00
	No. 2 Caltrans ditch backing	CY	\$98.00		\$0.00
	Rock inlet/outlet protection	SF	\$14.25		\$0.00
	Paved apron/overside drain	EA	\$417.00		\$0.00
	AC dike/ditch transition	EA	\$417.00		\$0.00
	Channel lining	SF	\$2.95		\$0.00
	Trench paving (3" AC / 6" AB)	SF	\$2.95		\$0.00
	Trench paving (4" AC / 12" AB)	SF	\$4.22		\$0.00
	Sediment Trap	EA	\$3,930.00		\$0.00
	Detention facility, per acre of shed area	EA	\$5,930.00		\$0.00
				Subtotal B	\$0.00

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Attachment A
Proposed Plan Check and Inspection Fee Spreadsheet
Plan Check and Inspection Services
To Become Effective November 1, 2010

C UTILITIES					
Utility trench and backfill	LF	\$19.40		\$0.00	
Joint trench road crossings and stubs	EA	\$1,310.00		\$0.00	
Relocate valve	EA	\$415.50		\$0.00	
				Subtotal C	\$0.00
D RETAINING WALLS					
Retaining Wall	SF	\$17.65		\$0.00	
Sound Wall	SF	\$14.25		\$0.00	
				Subtotal D	\$0.00
E. ROADWAYS					
2" AC	SF	\$1.20		\$0.00	
3" AC	SF	\$1.52		\$0.00	
4" AC	SF	\$1.83		\$0.00	
6" AC	SF	\$2.95		\$0.00	
4" AB	SF	\$1.20		\$0.00	
6" AB	SF	\$1.83		\$0.00	
8" AB	SF	\$2.03		\$0.00	
10" AB	SF	\$2.39		\$0.00	
12" AB	SF	\$2.69		\$0.00	
Slurry seal	SF	\$0.47		\$0.00	
Chip seal	SF	\$0.52		\$0.00	
Double chip seal	SF	\$0.63		\$0.00	
2" AC overlay	SF	\$1.20		\$0.00	
3" AC overlay	SF	\$1.52		\$0.00	
AC dike	LF	\$3.56		\$0.00	
AB shoulder	SF	\$1.20		\$0.00	
PCC paving - 6"	SF	\$4.17		\$0.00	
Concrete curb	LF	\$12.00		\$0.00	
Concrete curb and gutter	LF	\$17.65		\$0.00	
Concrete V-gutter	SF	\$3.56		\$0.00	
Sidewalk (6" Thick)	SF	\$3.56		\$0.00	
Driveway (A6)	EA	\$1,770.00		\$0.00	
Pedestrian/Equestrian Path	SF	\$0.63		\$0.00	
				Subtotal E	\$0.00
F. AMENITIES					
Street light	EA	\$2,395.00		\$0.00	
Street light base	EA	\$262.00		\$0.00	
Street name sign	EA	\$297.00		\$0.00	
Traffic sign	EA	\$297.00		\$0.00	
Barricate (Plate R-24)	EA	\$980.00		\$0.00	
Barricade, remove	EA	\$194.00		\$0.00	
Barricade, pedestrian (Plate R-25)	EA	\$529.00		\$0.00	
Guide posts	EA	\$131.00		\$0.00	
Emergency vehicle gate	EA	\$1,195.00		\$0.00	
Fence - post & cable	LF	\$9.70		\$0.00	
Fence - open iron	LF	\$17.65		\$0.00	
Fence - split rail	LF	\$12.00		\$0.00	
Pavement marking	LF	\$1.20		\$0.00	
Fire tank - 10,000 gal, w/ hydrant	EA	\$11,970.00		\$0.00	
Trash enclosure	EA	\$2,908.00		\$0.00	
Guardrail	LF	\$120.00		\$0.00	
Guardrail - cable anchor assembly	EA	\$655.00		\$0.00	
Guardrail - terminal section	EA	\$655.00		\$0.00	
Survey monument & well (incl brass caps)	EA	\$598.00		\$0.00	
Landscaping	SF	\$2.39		\$0.00	
Traffic signal	EA	\$302,250.00		\$0.00	
				Subtotal F	\$0.00
G. WINTERIZATION AND EROSION CONTROL					
Construction fencing	LF	\$2.39		\$0.00	
Silt fencing	LF	\$3.56		\$0.00	
Inlet protection	EA	\$120.00		\$0.00	
Check dams	EA	\$240.00		\$0.00	
Straw bale dike	LF	\$2.95		\$0.00	
Hydroseed	AC	\$2,965.00		\$0.00	
Fiber blanket	SF	\$0.47		\$0.00	
Construction entrance	EA	\$592.00		\$0.00	
Sediment Trap	EA	\$654.00		\$0.00	
				Subtotal G	\$0.00

Attachment A
Proposed Plan Check and Inspection Fee Spreadsheet
Plan Check and Inspection Services
 To Become Effective November 1, 2010

ADDITIONAL COSTS FOR PROJECT BOND ESTIMATE		Unit Cost	Quantity	Subtotal
J.	WATER			
	Connect to Existing - Water	LS	\$656.00	\$0.00
	Water Pipe - 2"	LF	\$17.65	\$0.00
	Water Pipe - 4"	LF	\$26.20	\$0.00
	Water Pipe - 6"	LF	\$35.35	\$0.00
	Water Pipe - 8"	LF	\$41.05	\$0.00
	Water Pipe - 10"	LF	\$47.90	\$0.00
	Water Pipe - 12"	LF	\$59.25	\$0.00
	Water Pipe - 15"	LF	\$77.50	\$0.00
	Water Pipe - 18"	LF	\$89.00	\$0.00
	Water Pipe - 24"	LF	\$120.00	\$0.00
	Water - Air Relief Valve	EA	\$1,199.00	\$0.00
	Water - 2" Blow Off Valve	EA	\$967.00	\$0.00
	Backflow Device	EA	\$967.00	\$0.00
	8" Flexible Dbl-Ball Expansion Joint	EA	\$1,083.00	\$0.00
	Water Valve - 4" and under	EA	\$415.50	\$0.00
	Water Valve - 6"	EA	\$889.00	\$0.00
	Water Valve - 8"	EA	\$889.00	\$0.00
	Water Valve - 10"	EA	\$889.00	\$0.00
	Water Valve - 12"	EA	\$889.00	\$0.00
	Water Valve - 15"	EA	\$1,480.00	\$0.00
	Water Valve - 18"	EA	\$1,480.00	\$0.00
	Water Valve - 24"	EA	\$2,390.00	\$0.00
	Fire Department Connection	EA	\$1,275.00	\$0.00
	10" Check Valve	EA	\$3,560.00	\$0.00
	Fire Hydrant Assembly	EA	\$2,960.00	\$0.00
	Water Service With Meter - Under 1"	EA	\$541.50	\$0.00
	Water Service With Meter - 1"	EA	\$598.00	\$0.00
	Water Service With Meter - 1 1/2"	EA	\$712.00	\$0.00
	Water Service With Meter - 2"	EA	\$889.00	\$0.00
			Subtotal J	\$0.00

