

Los Angeles County Department Of Public Works

Land Development Division

Bond Calculation Sheets



Effective July 1, 2016

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION
ROADS
COST ESTIMATE FOR BOND PURPOSES**

ROAD IMPROVEMENTS FOR PARCEL MAP/TRACT NO. _____

LOCATION _____

PREPARED BY _____ DATE _____ CHECKED BY _____ DATE _____

| STREET IMPROVEMENTS | | | | |
|---|----------|-------------------|-------------------|------------|
| Item | Quantity | Unit Cost | | Total Cost |
| | | >\$50k Unit Price | <\$50k Unit Price | |
| Pavement Asphalt | | | | |
| A.C. (2") -Performance Grade | | \$ 0.76 /S.F. | \$ 1.11 | \$ - |
| A.C. (3") -Performance Grade | | \$ 1.13 /S.F. | \$ 1.42 | \$ - |
| A.C. (4") -Performance Grade | | \$ 1.45 /S.F. | \$ 1.75 | \$ - |
| A.C. (6") -Performance Grade | | \$ 1.94 /S.F. | \$ 2.37 | \$ - |
| RBAC- Rubberized Asphalt Concrete | | \$ 2.91 /S.F. | \$ 3.77 | \$ - |
| A.C. (removal) | | \$ 2.32 /S.F. | \$ 3.24 | \$ - |
| A.C. (coldmill) | | \$ 0.82 /S.F. | \$ 1.39 | \$ - |
| | | \$ - /S.F. | \$ - | \$ - |
| P.C. Concrete | | | | |
| Sidewalk (4" Thick) | | \$ 4.06 /S.F. | \$ 4.57 | \$ - |
| Alley Intersection (6") | | \$ 4.29 /S.F. | \$ 4.90 | \$ - |
| Cross-Gutter (8") | | \$ 5.47 /S.F. | \$ 6.20 | \$ - |
| Local Depression (3") | | \$ 4.24 /S.F. | \$ 4.90 | \$ - |
| Driveway (4") | | \$ 3.49 /S.F. | \$ 4.45 | \$ - |
| Driveway (6" -commercial) | | \$ 4.29 /S.F. | \$ 4.90 | \$ - |
| Curb Ramp (with detectable warning surface) | | \$ 1,764.47 Each | \$ 2,204.07 | \$ - |
| Pavement (9") | | \$ 5.92 /S.F. | \$ 6.65 | \$ - |
| Grouted Rip Rap (6"-12") | | \$ 9.30 /S.F. | \$ 15.66 | \$ - |
| Grouted Rip Rap (12"-19") | | \$ 10.48 /S.F. | \$ 17.98 | \$ - |
| Gunite (3") | | \$ 4.06 /S.F. | \$ 4.68 | \$ - |
| Reinforced Concrete | | \$ 696.74 /C.Y. | \$ 789.18 | \$ - |
| | | \$ - /C.Y. | \$ - | \$ - |
| Curb and Gutter | | | | |
| P.C.C. Inverted Shoulder (7-1/2" CF) | | \$ 16.35 /L.F. | \$ 20.30 | \$ - |
| P.C.C. Curb and 2' Gutter (Type A2-6) | | \$ 15.21 /L.F. | \$ 19.17 | \$ - |
| P.C.C. Curb and 2' Gutter (Type A2-8) | | \$ 16.35 /L.F. | \$ 20.30 | \$ - |
| P.C.C. Curb and 2' Gutter (Type B1-6) | | \$ 14.10 /L.F. | \$ 17.47 | \$ - |
| P.C.C. Curb and 2' Gutter (Type B2,(3)-6) | | \$ 15.21 /L.F. | \$ 19.17 | \$ - |
| P.C.C. Curb Type C | | \$ 14.10 /L.F. | \$ 17.47 | \$ - |
| A.C. Curb Type D | | \$ 14.10 /L.F. | \$ 17.47 | \$ - |
| P.C.C. Alley Gutter | | \$ 14.10 /L.F. | \$ 17.47 | \$ - |
| | | \$ - /L.F. | \$ - | \$ - |
| Miscellaneous Items | | | | |
| Street Name Signs | | \$ 580.61 Each | \$ 580.61 | \$ - |
| Unclassified Excavation | | \$ 87.38 /C.Y. | \$ 87.38 | \$ - |
| Clearing & Grubbing | | \$ 87.38 /C.Y. | \$ 87.38 | \$ - |
| Sawcut | | \$ 2.36 /L.F. | \$ 2.94 | \$ - |
| Concrete Removal Non Reinforced | | \$ 348.36 /C.Y. | \$ 348.36 | \$ - |
| Concrete Removal Reinforced | | \$ 580.61 /C.Y. | \$ 580.61 | \$ - |
| Crushed Agg. Base (under AC & PCC pavement) | | \$ 58.07 /C.Y. | \$ 69.89 | \$ - |
| Crushed Agg. Base (under sidewalk, c&g, driveway) | | \$ 58.07 /C.Y. | \$ 69.89 | \$ - |
| Crushed Agg. Base (removal) | | \$ 49.04 /C.Y. | \$ 58.62 | \$ - |
| 6 Mil Polyethylene Film Membrane (30" deep) | | \$ 11.84 /L.F. | \$ 14.10 | \$ - |
| Trench Backfill Slurry (270-E-500) | | \$ 174.74 /C.Y. | \$ 236.75 | \$ - |

ROAD IMPROVEMENTS FOR PARCEL MAP/TRACT NO. _____

| | | | | |
|----------------------------------|--|------------------|-------------|------|
| Geotextile fabric | | \$ 3.49 /S.F. | \$ 4.74 | \$ - |
| Guard Rail | | \$ 49.04 /L.F. | \$ 52.42 | \$ - |
| Guide Markers | | \$ 14.10 Each | \$ 17.47 | \$ - |
| Chain Link Fence (5') | | \$ 17.47 /L.F. | \$ 23.22 | \$ - |
| Chain Link Fence (6') | | \$ 22.64 /L.F. | \$ 31.57 | \$ - |
| Tree Removal (Ave. 12" D) | | \$ 499.44 Each | \$ 604.29 | \$ - |
| Adjust manhole | | \$ 453.21 Each | \$ 534.39 | \$ - |
| Tree Well and Covers | | \$ 104.85 Each | \$ 116.12 | \$ - |
| Remove Temporary Turnaround | | \$ 870.35 Each | \$ 870.35 | \$ - |
| Construct Temporary Turnaround | | \$ 1,624.58 Each | \$ 1,624.58 | \$ - |
| Lump Sum (fill in dollar amount) | | \$ - Each | \$ - | \$ - |
| | | \$ - | \$ - | \$ - |

| | | | | |
|----------------------------|--|------------------|-------------|------|
| Drainage Facilities | | | | |
| Curb Drain | | | | |
| Curb Drain, 1 Pipe | | \$ 1,161.22 Each | \$ 1,161.22 | \$ - |
| Curb Drain, 2 Pipes | | \$ 1,508.46 Each | \$ 1,508.46 | \$ - |
| Curb Drain, 3 Pipes | | \$ 1,856.83 Each | \$ 1,856.83 | \$ - |
| Parkway Drain No. 1 | | \$ 3,480.28 Each | \$ 3,480.28 | \$ - |
| | | \$ - | \$ - | \$ - |

| | | | | |
|---|--|-------------------|--------------|------|
| Catch Basins (values used to calculate plan checking fee only) | | | | |
| Catch Basin No. 300, W=3.5' | | \$ 4,644.89 Each | \$ 4,644.89 | \$ - |
| Catch Basin No. 300, W=7'-10' | | \$ 5,225.49 Each | \$ 5,225.49 | \$ - |
| Catch Basin No. 300, W=14' | | \$ 6,386.71 Each | \$ 6,386.71 | \$ - |
| Catch Basin No. 300, W=17', 21' | | \$ 8,128.54 Each | \$ 8,128.54 | \$ - |
| Catch Basin No. 300, W=28' | | \$ 9,289.76 Each | \$ 9,289.76 | \$ - |
| Catch Basin No. 301, W=7' W/ 1 Grate | | \$ 5,806.11 Each | \$ 5,806.11 | \$ - |
| Catch Basin No. 301, W=10' W/ 1 Grate | | \$ 6,967.32 Each | \$ 6,967.32 | \$ - |
| Catch Basin No. 301, W=14' W/ 1 Grate | | \$ 7,547.93 Each | \$ 7,547.93 | \$ - |
| Catch Basin No. 301, W=14' W/ 2 Grate | | \$ 8,709.15 Each | \$ 8,709.15 | \$ - |
| Catch Basin No. 301, W=21' W/ 2 Grate | | \$ 10,450.97 Each | \$ 10,450.97 | \$ - |
| Catch Basin No. 301, W=28' W/ 2 Grate | | \$ 12,773.42 Each | \$ 12,773.42 | \$ - |
| Catch Basin No. 301, W=21' W/ 3 Grates | | \$ 12,773.42 Each | \$ 12,773.42 | \$ - |
| Catch Basin No. 301, W=28' W/ 3 Grates | | \$ 13,934.65 Each | \$ 13,934.65 | \$ - |
| STREET IMPROVEMENT SUBTOTAL (A) | | | | \$ - |

| | | | | |
|-------------------------------------|-----------------|-------------------|-------------------|-------------------|
| STREET LIGHTING | | | | |
| <i>Item</i> | <i>Quantity</i> | <i>Unit Cost</i> | | <i>Total Cost</i> |
| | | >\$50k Unit Price | <\$50k Unit Price | |
| Street Lights | | \$ 16,910.97 Each | \$ 16,910.97 | \$ - |
| STREET LIGHTING SUBTOTAL (B) | | | | \$ - |

| | | | | |
|---|-----------------|-------------------|-------------------|-------------------|
| UNDERGROUND UTILITIES | | | | |
| <i>Item</i> | <i>Quantity</i> | <i>Unit Cost</i> | | <i>Total Cost</i> |
| | | >\$50k Unit Price | <\$50k Unit Price | |
| Underground Utilities | | \$ 227.70 /L.F. | \$ 232.25 | \$ - |
| UNDERGROUND UTILITY SUBTOTAL (C) | | | | \$ - |

| | | | | |
|--|-----------------|------------------|--|-------------------|
| SIGNING AND STRIPING | | | | |
| <i>Item</i> | <i>Quantity</i> | <i>Unit Cost</i> | | <i>Total Cost</i> |
| Signing | | | | \$ - |
| Striping (2-Coat Paint) | | | | \$ - |
| SIGNING AND STRIPING SUBTOTAL (D) | | | | \$ - |

| | | | | |
|--|--|--|--|------|
| GRAND SUBTOTAL (A+B+C+D)=E | | | | \$ - |
| GRAND SUBTOTAL (E) COST < \$50,000 (Yes or No) | | | | |

| STREET IMPROVEMENT BOND AMOUNT CALCULATION | | | |
|--|--|-------------------------------------|-------------|
| TRAFFIC CONTROL PLAN? (Yes or No) | | Traffic Control Plan (5% x E = F) | \$ - |
| | | Contingency (15% x (E+F) = G) | \$ - |
| | | Inflation (12% x (E+F+G) = H) | \$ - |
| | | Improvement Total (E+F+G+H = I) | \$ - |
| | | Inspection (Use Table 2) (J) | \$ - |
| | | Street Bond Amount (I+J = K) | \$ - |
| Roundup to nearest hundred | | | |

| STREET TREE BOND AMOUNT CALCULATION | | | | |
|-------------------------------------|----------|-------------------|-------------------|---|
| Item | Quantity | Unit Cost | | Total Cost |
| | | >\$50k Unit Price | <\$50k Unit Price | |
| Street Trees | | \$ 580.05 | Each | \$ 580.05 |
| | | | | |
| | | | | Street Tree Subtotal (L) \$ - |
| | | | | Contingency (15% x L = M) \$ - |
| | | | | Inflation (12% x (L+M) = N) \$ - |
| | | | | Improvement Total (L+M+N = O) \$ - |
| | | | | Inspection (Use Table 2) (P) \$ - |
| | | | | Street Tree Bond Amount (O+P = Q) \$ - |
| Roundup to nearest hundred | | | | |

| PLAN CHECKING FEE VALUATION | | |
|--|--|-------------|
| Is Signing & Striping required? If yes, fill in the plan check deposit amount to the right. (R) | | \$ - |
| Valuation for Plan Check Fee (A+15%Contingency) (S) | | \$ - |
| Total Plan Check Fee that covers up to 4 submittals* (See Table 1, based on valuation plus (R)) (T) | | \$ - |

*Plan Checks beyond the 4th submittal will require an additional payment in the amount of \$341 per sheet, per submittal.

TABLE 1: Plan Check Fee Calculation

| Valuation Total (S) | Plan Check Fee (T) |
|-----------------------|---------------------------------|
| \$10,000 or less | \$1,658 + 26.84% over \$5,000 |
| \$10,001 to \$100,000 | \$3,000 + 11.91% over \$10,000 |
| \$100,001 & over | \$13,719 + 2.91% over \$100,000 |

Revisions to an already approved plan will require a fee in the amount of **\$341 per sheet, per submittal.**

Single lot grading encroachments that are submitted as part of referrals from Building and Safety Division will require a **Deposit in the amount of \$600.**

TABLE 2: Inspection Fee Calculation*

| Improvement Total (I, O) | Inspection Fee (J, P) |
|--------------------------|---------------------------------|
| \$1,625 or less | \$364 |
| \$1,626 to \$20,000 | \$364 + 22.07% over \$1,625 |
| \$20,001 to \$100,000 | \$4,420 + 12.43% over \$20,000 |
| \$100,001 to \$500,000 | \$14,364 + 6.57% over \$100,000 |
| \$500,001 & over | \$40,644 + 3.45% over \$500,000 |

*Inspection fees are an estimated amount and subject to change. Please verify with Land Development Division's Permit Section upon request for permit issuance.

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
TRAFFIC & LIGHTING DIVISION
TRAFFIC STUDIES
COST ESTIMATE FOR BOND PURPOSES**

SIGNING & STRIPING FOR PARCEL MAP/TRACT NO. _____

LOCATION _____

PREPARED BY _____ DATE _____ CHECKED BY _____ DATE _____

| SIGNING AND STRIPING | | | | | |
|---|----------|-------------------|------|-------------------|------------|
| Item | Quantity | Unit Cost | | | Total Cost |
| | | >\$50k Unit Price | | <\$50k Unit Price | |
| Signing | | | | | |
| Furnish/Install Sign Panel on One Post | | \$ 317.78 | Each | \$ 317.78 | \$ - |
| Furnish/Install Sign Panel on Two Posts | | \$ 450.20 | Each | \$ 450.20 | \$ - |
| Furnish/Install Sign Panel | | \$ 264.82 | Each | \$ 264.82 | \$ - |
| Remove Sign | | \$ 190.67 | Each | \$ 190.67 | \$ - |
| Relocate Sign | | \$ 238.34 | Each | \$ 238.34 | \$ - |
| Striping (2-Coat Paint) | | | | | |
| Install Detail 1 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Install Detail 2 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Install Detail 8 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Install Detail 9 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Install Detail 15 (2-Coat Paint) | | \$ 2.65 | LF | \$ 2.65 | \$ - |
| Install Detail 16 (2-Coat Paint) | | \$ 2.65 | LF | \$ 2.65 | \$ - |
| Install Detail 21 (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| Install Detail 22 (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| Install Detail 24 (2-Coat Paint) | | \$ 2.65 | LF | \$ 2.65 | \$ - |
| Install Detail 25 (2-Coat Paint) | | \$ 2.65 | LF | \$ 2.65 | \$ - |
| Install Detail 27B (2-Coat Paint) | | \$ 2.65 | LF | \$ 2.65 | \$ - |
| Install Detail 28 (2-Coat Paint) | | \$ 3.71 | LF | \$ 3.71 | \$ - |
| Install Detail 29 (2-Coat Paint) | | \$ 3.71 | LF | \$ 3.71 | \$ - |
| Install Detail 31 (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| Install Detail 32 (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| Install Detail 37B (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Install Detail 38 (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| Install Detail 38A (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| Install Detail 40 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Install Detail 41 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Install 12 inch Limit Line (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| Install Pavement Marking (2-Coat Paint) (\$3.00/SF) | | | | | |
| "STOP" = 22 SF Enter "Each" Quantity-----> | | \$ 3.18 | Each | \$ 3.18 | \$ - |
| "SIGNAL" = 32 SF Enter "Each" Quantity-----> | | \$ 3.18 | Each | \$ 3.18 | \$ - |
| "SCHOOL" = 35 SF Enter "Each" Quantity-----> | | \$ 3.18 | Each | \$ 3.18 | \$ - |
| "AHEAD" = 31 SF Enter "Each" Quantity-----> | | \$ 3.18 | Each | \$ 3.18 | \$ - |
| "YIELD" = 24 SF Enter "Each" Quantity-----> | | \$ 3.18 | Each | \$ 3.18 | \$ - |
| "Type IV Arrow" = 15 SF Enter "Each" Quantity-> | | \$ 3.18 | Each | \$ 3.18 | \$ - |
| Install Curb Marking (2-Coat Paint) | | \$ 3.71 | LF | \$ 3.71 | \$ - |
| Remove Detail 1 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Remove Detail 2 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Remove Detail 8 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Remove Detail 9 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Remove Detail 15 (2-Coat Paint) | | \$ 2.38 | LF | \$ 2.38 | \$ - |
| Remove Detail 16 (2-Coat Paint) | | \$ 2.38 | LF | \$ 2.38 | \$ - |
| Remove Detail 21 (2-Coat Paint) | | \$ 2.65 | LF | \$ 2.65 | \$ - |
| Remove Detail 22 (2-Coat Paint) | | \$ 2.65 | LF | \$ 2.65 | \$ - |
| Remove Detail 24 (2-Coat Paint) | | \$ 2.38 | LF | \$ 2.38 | \$ - |
| Remove Detail 25 (2-Coat Paint) | | \$ 2.38 | LF | \$ 2.38 | \$ - |

SIGNING & STRIPING FOR PARCEL MAP/TRACT NO. _____

| | | | | | |
|--|--|---------|------|---------|------|
| Remove Detail 27B (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Remove Detail 28 (2-Coat Paint) | | \$ 4.77 | LF | \$ 4.77 | \$ - |
| Remove Detail 29 (2-Coat Paint) | | \$ 4.77 | LF | \$ 4.77 | \$ - |
| Remove Detail 31 (2-Coat Paint) | | \$ 4.77 | LF | \$ 4.77 | \$ - |
| Remove Detail 32 (2-Coat Paint) | | \$ 4.77 | LF | \$ 4.77 | \$ - |
| Remove Detail 37B (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| Remove Detail 38 (2-Coat Paint) | | \$ 4.24 | LF | \$ 4.24 | \$ - |
| Remove Detail 38A (2-Coat Paint) | | \$ 4.24 | LF | \$ 4.24 | \$ - |
| Remove Detail 40 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Remove Detail 41 (2-Coat Paint) | | \$ 2.12 | LF | \$ 2.12 | \$ - |
| Remove 12 inch Limit Line (2-Coat Paint) | | \$ 4.24 | LF | \$ 4.24 | \$ - |
| Remove Pavement Marking (2-Coat Paint) (\$4.00/SF) | | | | | |
| "STOP" = 22 SF Enter "Each" Quantity-----> | | \$ 4.24 | Each | \$ 4.24 | \$ - |
| "SIGNAL" = 32 SF Enter "Each" Quantity-----> | | \$ 4.24 | Each | \$ 4.24 | \$ - |
| "SCHOOL" = 35 SF Enter "Each" Quantity-----> | | \$ 4.24 | Each | \$ 4.24 | \$ - |
| "AHEAD" = 31 SF Enter "Each" Quantity-----> | | \$ 4.24 | Each | \$ 4.24 | \$ - |
| "YIELD" = 24 SF Enter "Each" Quantity-----> | | \$ 4.24 | Each | \$ 4.24 | \$ - |
| "Type IV Arrow" = 15 SF Enter "Each" Quantity-> | | \$ 4.24 | Each | \$ 4.24 | \$ - |
| Remove Curb Marking (2-Coat Paint) | | \$ 3.18 | LF | \$ 3.18 | \$ - |
| SIGNING AND STRIPING SUBTOTAL (D) | | | | | \$ - |
| GRAND SUBTOTAL (E) COST < \$50,000 (Yes or No) | | | | | |

PROJECT DESCRIPTION

EARTHWORK YARDAGE

| | | | |
|---------|------------------------|--|------|
| ADDRESS | CUT*..... | | C.Y. |
| GR # | FILL*..... | | C.Y. |
| TR/PM # | OVEREXCAVATION..... | | C.Y. |
| D.O. # | ALLUVIAL REMOVALS..... | | C.Y. |
| CHECKER | TOTAL VOLUME..... | | - |

* Larger of the two.

PLAN CHECK FEE

| | | | | |
|---------------------------|-------------|--|----------|------|
| Initial Plancheck Fee | \$0 | based on | - | C.Y. |
| Submittal No | \$0 | 10% of the original fee for each submittal after the 5th (b) | | |
| Final Plancheck Fee | \$0 | | | |
| Revision Fee (c) | \$145 /Hour | \$ - | based on | Hr |
| Plan Check Fee Paid | \$0 | Subtract Fee Paid from Checking or Revision Fee | | |
| PLAN CHECK FEE DUE | | | | |

Pusuant to section 21.44.065 (4) of Title 21 of the County Code.

BOND AMOUNT CALCULATION

| EARTHWORK VOLUME: | Yardage | Bond Amounts | | |
|---------------------------|---------|--------------|--------|--------|
| Zero to 1000 C.Y..... | | | | \$ - |
| 1001 to 100,000 C.Y..... | - | C.Y. X | \$1.90 | = \$ - |
| Greater than 100,000 C.Y. | - | C.Y. X | \$0.95 | = \$ - |

EARTHWORK TOTAL = \$ -

DRAINAGE DEVICES: (See Cost Estimate)..... =

TOTAL BOND AMOUNT = EARTHWORK TOTAL + DRAINAGE DEVICES

\$ - + \$ -

BOND AMOUNT = \$ - USE

Plan Check Fee Calculation (a)

| Volume (CY) | Base Fee plus % of Volume | | |
|----------------------|---------------------------|-------------|--------------|
| 10,000 or less | \$7,802.00 | | |
| 10,001 to 100,000 | \$7,802.00 + | 15.33% over | 10,000 CY |
| 100,001 to 500,000 | \$21,599.00 + | 4.35% over | 100,000 CY |
| 500,001 to 1,000,000 | \$38,999.00 + | 3.21% over | 500,000 CY |
| 1,000,000 & over | \$55,049.00 + | 1.38% over | 1,000,000 CY |

- (a) The fee for the first five plan reviews is based on the estimated yardage:
- (b) After the fifth submittal - 10% of the original fee for each submittal.
- (c) Revisions - Fee is based on \$145.00 per hour.
- (d) A fee of \$347.00 to be applied to the fire department.
- (e) A fee of \$505.00 if the project includes a Quimby park.
- (f) A fee of \$ 774.00 if the project includes a publicly dedicated trail, to be applied to the department of parks and recreation.

| |
|--|
| |
| |
| |

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION
PRIVATE DRAIN (PD) / MISCELLANEOUS TRANSFER DRAIN (MTD)
COST ESTIMATE FOR BOND PURPOSES**

STORM DRAIN FOR PARCEL MAP/TRACT NO. _____ PD/MTD No. _____

LOCATION _____

PREPARED BY _____ DATE _____ CHECKED BY _____ DATE _____

| <i>Item</i> | <i>Quantity</i> | <i>Unit Cost</i> | <i>Total Cost</i> |
|---------------------------------|-----------------|------------------|-------------------|
| Reinforced Concrete Pipe | | | |
| 18" | | \$ - /L.F. | \$ - |
| 24" | | \$ - /L.F. | \$ - |
| 30" | | \$ - /L.F. | \$ - |
| 36" | | \$ - /L.F. | \$ - |
| 42" | | \$ - /L.F. | \$ - |
| 48" | | \$ - /L.F. | \$ - |
| 54" | | \$ - /L.F. | \$ - |
| 60" | | \$ - /L.F. | \$ - |
| | | \$ - /L.F. | \$ - |
| Reinforced Concrete Box | | \$ - /L.F. | \$ - |
| | | \$ - /L.F. | \$ - |
| Catch Basins | | | |
| 300 | | \$ - Each | \$ - |
| 301 | | \$ - Each | \$ - |
| | | \$ - Each | \$ - |
| Manhole | | | |
| 320 | | \$ - Each | \$ - |
| 321 | | \$ - Each | \$ - |
| 322 | | \$ - Each | \$ - |
| | | \$ - Each | \$ - |
| Junction Structures | | | |
| 331 | | \$ - Each | \$ - |
| 332 | | \$ - Each | \$ - |
| 333 | | \$ - Each | \$ - |
| 334 | | \$ - Each | \$ - |
| | | \$ - Each | \$ - |
| Transition Structures | | | |
| 340 | | \$ - Each | \$ - |
| 341 | | \$ - Each | \$ - |
| 342 | | \$ - Each | \$ - |
| | | \$ - Each | \$ - |
| Concrete Collars | | | |
| 18" | | \$ - Each | \$ - |
| 24" | | \$ - Each | \$ - |
| 36" | | \$ - Each | \$ - |
| | | \$ - Each | \$ - |
| Miscellaneous Items | | | |
| Chainlink Fence | | \$ - /L.F. | \$ - |
| 4' Walk Gate | | \$ - Each | \$ - |
| 16' Double Drive Gate | | \$ - Each | \$ - |

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 LAND DEVELOPMENT DIVISION
 SEWER SYSTEMS
COST ESTIMATE FOR BOND PURPOSES**

SEWER IMPROVEMENTS FOR PARCEL MAP/TRACT NO. _____ PC No. _____

PREPARED BY _____ LOCATION _____
 DATE _____ CHECKED BY _____ DATE _____

| <i>Item</i> | <i>Quantity</i> | <i>Unit Cost</i> | <i>Total Cost</i> |
|--|-----------------|------------------|-------------------|
| Sewer Pipe | | | |
| 4" V.C.P. House Lateral Sewer | | \$ 87.85 /L.F. | \$ - |
| 6" V.C.P. House Lateral Sewer | | \$ 90.19 /L.F. | \$ - |
| 8" V.C.P. Main line Sewer | | \$ 95.83 /L.F. | \$ - |
| 10" V.C.P. Main line Sewer | | \$ 101.46 /L.F. | \$ - |
| 12" V.C.P. Main line Sewer | | \$ 107.10 /L.F. | \$ - |
| 15" V.C.P. Main line Sewer | | \$ 112.73 /L.F. | \$ - |
| 18" V.C.P. Main line Sewer | | \$ 118.38 /L.F. | \$ - |
| | | \$ - /L.F. | \$ - |
| Manhole | | | |
| Manhole | | \$ 5,636.99 Each | \$ - |
| Break into Existing Manhole | | \$ 2,254.79 Each | \$ - |
| | | \$ - /L.F. | \$ - |
| Extra Depth Construction | | | |
| Extra Depth Construction (10' - 12') | | \$ 11.84 /L.F. | \$ - |
| Extra Depth Construction (12' - 14') | | \$ 17.47 /L.F. | \$ - |
| Extra Depth Construction (14' - 16') | | \$ 29.32 /L.F. | \$ - |
| Extra Depth Construction (16' - 18') | | \$ 34.96 /L.F. | \$ - |
| Extra Depth Construction (18' - 20') | | \$ 41.15 /L.F. | \$ - |
| | | \$ - /L.F. | \$ - |
| Miscellaneous Items | | | |
| Ductile Iron Pipe (Price per linear foot): | | | |
| (4": \$43.56, 6": \$ 53.69, 8": \$70.91, 10": \$74.96, 12": \$86.11) | | /L.F. | \$ - |
| (14": \$92.18, 16": \$97.25, 18" & Above: \$108.39) | | /L.F. | \$ - |
| Concrete Encasement or Cradle | | \$ 29.32 /L.F. | \$ - |
| Special Encasement or Cradle | | \$ 58.07 /L.F. | \$ - |
| Excavation in Rock Areas | | \$ 29.32 /L.F. | \$ - |
| Unstable Bedding | | \$ 23.68 /L.F. | \$ - |
| Jacking Steel Casing | | \$ 638.12 /L.F. | \$ - |
| Breaking Pavement & Resurfacing - A.C. | | \$ 7.33 /L.F. | \$ - |
| Breaking Pavement & Resurfacing - Concrete | | \$ 12.97 /L.F. | \$ - |
| Backflow Preventer Valve | | \$ 411.50 Each | \$ - |
| Cleanout (6") | | \$ 824.12 Each | \$ - |
| Cast Iron Pipe | | \$ 7.41 /in/ft | \$ - |
| Join Existing VCP | | \$ 264.82 Each | \$ - |
| Lump Sum (fill in dollar amount) | | \$ - Each | \$ - |
| | | | \$ - |

Traffic Control Plan? (Yes or No)

| | |
|------------------------------------|-------------|
| Subtotal (A) | \$ - |
| Traffic Control Plan (5% x A = B) | \$ - |
| Contingency (15% x (A+B) = C) | \$ - |
| Inflation (12% x (A+B+C) = D) | \$ - |
| Improvement Total (A+B+C+D = E) | \$ - |
| Inspection (Use Table1) (F) | \$ - |
| Sewer Bond Amount (E+F = G) | \$ - |

Roundup to nearest hundred

PLAN CHECKING FEE VALUATION

| | |
|---|-------------|
| Valuation for Plan Check Fee (E - D - B = H) | \$ - |
| Total Plan Check Fee (See Table 2, based on valuation) (I) | \$ - |

TABLE 1: Inspection Fee Calculation*

| <u>Improvement Total (E)</u> | <u>Inspection Fee (F)</u> |
|------------------------------|---------------------------|
| \$600 or less | \$ 86.00 |
| \$601 to \$1,000 | \$ 169.00 |
| \$1,001 to \$1,500 | \$ 272.00 |
| \$1,501 to \$2,000 | \$ 380.00 |
| \$2,001 to \$2,500 | \$ 484.00 |
| \$2,501 to \$3,000 | \$ 578.00 |
| \$3,001 to \$3,500 | \$ 675.00 |
| \$3,501 to \$4,000 | \$ 780.00 |
| \$4,001 to \$4,500 | \$ 877.00 |
| \$4,501 to \$5,000 | \$ 961.00 |
| \$5,001 to \$6,000 | \$ 1,130.00 |
| \$6,001 to \$7,000 | \$ 1,278.00 |
| \$7,001 to \$8,000 | \$ 1,414.00 |
| \$8,001 to \$9,000 | \$ 1,543.00 |
| \$9,001 to \$10,000 | \$ 1,661.00 |

A. For each \$1,000 or fractional part thereof, of the total valuation of the proposed work in excess of \$10,000 and not exceeding \$50,000, an additional \$114.00

B. For each \$1,000 or fractional part thereof, of the total valuation of the proposed work in excess of \$50,000 and not exceeding \$100,000, an additional \$87.00

C. For each \$1,000 or fractional part thereof, of the total valuation of the proposed work in excess of \$100,000 an additional \$68.00

D. For additional work approved by the County Engineer but not included in the original permit, the applicant shall pay a base fee of \$10 and an additional fee of \$15 for each \$100, or fractional part thereof, of the total valuation of such additional work.

***Inspection fees are an estimated amount and subject to change. Please verify with Land Development Division's Permit Section upon request of the permit issuance.**

TABLE 2: Plan Check Fee Calculation

| <u>Valuation Total (H)</u> | <u>Plan Check Fee (I)</u> | | |
|----------------------------|---------------------------|---------------|----------|
| \$5,000 or less | \$1,481 | | |
| \$5,001 to \$20,000 | \$1,481 | + 13.37% over | \$5,000 |
| \$20,001 & over | \$3,487 | + 10.98% over | \$20,000 |

1. After the third submittal - Fee is based on \$145.00 per hour
2. Revisions - Fee is based on \$145.00 per hour
3. Sewer Area Study - Fee is based on \$145.00 per hour with an initial deposit of \$2000.00

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION
WATER SYSTEMS
COST ESTIMATE FOR BOND PURPOSES**

WATER IMPROVEMENTS FOR PARCEL MAP/TRACT NO. _____

LOCATION _____

PREPARED BY _____ DATE _____ CHECKED BY _____ DATE _____

| Item | Quantity | Unit Cost (1) | Total Cost |
|--|----------|-------------------|------------|
| Water Pipe | | | |
| 4" D.I. Pipe (F) | | \$ 47.18 /L.F. | \$ - |
| 6" D.I. Pipe (G) | | \$ 58.42 /L.F. | \$ - |
| 8" D.I. Pipe (H) | | \$ 76.40 /L.F. | \$ - |
| 10" D.I. Pipe (I) | | \$ 80.89 /L.F. | \$ - |
| 12" D.I. Pipe (J) | | \$ 93.24 /L.F. | \$ - |
| 14" D.I. Pipe (K) | | \$ 99.98 /L.F. | \$ - |
| 16" D.I. Pipe (L) | | \$ 105.04 /L.F. | \$ - |
| 18" D.I. Pipe (M) | | \$ 116.83 /L.F. | \$ - |
| | | \$ - /L.F. | \$ - |
| Air Vac. Release Valve | | | |
| Less than or equal to 1" | | \$ 3,595.05 Each | \$ - |
| 2" Standard | | \$ 4,606.17 Each | \$ - |
| | | \$ - Each | \$ - |
| Service End Meter Box | | | |
| Less than or equal to 1" | | \$ 2,876.04 Each | \$ - |
| Greater than 1" | | \$ 5,257.77 Each | \$ - |
| | | \$ - Each | \$ - |
| Detector Check Meter with Vault Backflow Detector Assembly Above Ground | | | |
| 6" Lateral | | \$ 24,491.31 Each | \$ - |
| 8" Lateral | | \$ 29,209.83 Each | \$ - |
| 10" Lateral | | \$ 34,995.62 Each | \$ - |
| | | \$ - Each | \$ - |
| Miscellaneous Items | | | |
| 6" Fire Hydrant | | \$ 7,864.18 Each | \$ - |
| Blow-Off or Flushout | | \$ 4,718.51 Each | \$ - |
| Master Meter (above ground) | | \$ 34,995.62 Each | \$ - |
| Master Meter, 6" (below ground) (2) | | \$ 69,991.24 Each | \$ - |
| Pump Station and Vault | | \$ - (3) | \$ - |
| Pressure Regulator Station | | \$ - (3) | \$ - |
| Water Tank or Reservoir | | \$ - (3) | \$ - |
| 36" Boring and Casing Under Highway | | \$ 349.95 /L.F. | \$ - |
| Existing St. (F.H.) | | \$ 11,661.46 Each | \$ - |
| Steel Pipe | | \$ 9.55 /IN/L.F. | \$ - |
| Gate Valves | | \$ 2,359.25 Each | \$ - |
| Lump Sum (fill in dollar amount) | | \$ - Each | \$ - |
| | | \$ - | \$ - |
| | | \$ - | \$ - |
| | | \$ - | \$ - |

Traffic Control Plan? (Yes or No)

| | |
|-----------------------------------|-------------|
| Subtotal (A) | \$ - |
| Traffic Control Plan (5% x A = B) | \$ - |
| Contingency (15% x (A+B) = C) | \$ - |
| Inflation (12% x (A+B+C) = D) | \$ - |
| Improvement Total (A+B+C+D = E) | \$ - |
| Water Bond Amount (E) | \$ - |

Roundup to nearest hundred

- (1) The unit prices shown are for subdivisions in which the street will be constructed as part of the complete work of the subdivision. The unit prices for construction within existing streets will be higher.
- (2) For unit cost for other sizes, add \$3,000 to cost shown per each 2 inch increment.
- (3) Variations in requirements will require a cost estimate based on the construction plans and itemized materials list.

| PLAN CHECKING FEE VALUATION | |
|---|-------------|
| Total Water Pipe Length (F+G+H+I+J+K+L+M = N) | 0.00 ft |
| Plan Check Fee (See Table 1) (O) | \$ - |
| (See Table 2) (P) | \$ - |
| (See Table 3) (Q) | \$ - |
| (See Table 4) (R) | \$ - |
| (See Table 5) Public Works (S1) | \$ - |
| (See Table 5) Fire Department (S2) | \$ - |
| Total Plan Check Fee (T) | \$ - |

| TABLE 1: Plan Check Fee Calculation | |
|-------------------------------------|---|
| <u>Valuation Length (N)</u> | <u>Plan Check Fee (O)</u> |
| 150 ft or less | \$ 1,013.00 |
| 151 ft to 500 ft | \$ 1,699.00 |
| 501 ft to 1,000 ft | \$ 2,390.00 |
| 1,001 ft to 2,000 ft | \$ 3,075.00 |
| 2,001 ft to 3,000 ft | \$ 3,352.00 |
| 3,001 ft to 4,000 ft | \$ 3,763.00 |
| 4,001 ft to 5,000 ft | \$ 4,453.00 |
| 5,001 ft & over | \$ 4,453.00 |
| | + \$738 for each 1,000 ft in excess over 5,000 ft |

| TABLE 2: Plan Check Fee Calculation | |
|--|---|
| Where the water system includes fire hydrants a fee, to be applied to the Fire Department, of \$204.00 for the first ten hydrants and \$35.00 per hydrant in excess of ten | |
| <u>Number of Hydrants</u> | <u>Plan Check Fee (P)</u> |
| 1 to 10 | \$204.00 |
| 11 and over | \$204.00 |
| | + \$35.00 /each over 10 |
| Enter Number of Hydrants | <input style="width: 80px; height: 20px;" type="text"/> |

| TABLE 3: Plan Check Fee Calculation | |
|--|---|
| <u>Plan Check Fee (Q)</u> | |
| Booster Pump Station, Reservoirs, etc. | \$ 2,803.00 |
| | + 0.17% x (A+B+C) |
| Booster Pump Station, Reservoirs, etc. (Yes or No) | <input style="width: 80px; height: 20px;" type="text"/> |

TABLE 4: Plan Check Fee Calculation

Pursuant to Section 20.12.091 of Title 20 of the County Code, fees are collected as follows: (a) Processing a Certificate of Registration or a Water Utility Authorization \$515.00

Plan Check Fee (R)

Certificate of Registration or Water Utility Authorization \$ 515.00

Certificate of Registration or Water Utility Authorization
(Yes or No)

TABLE 5: Plan Check Fee Calculation

Pursuant to Section 20.08.091 of Title 20 of the County Code, fees are collected as follows: (a) Water Appeals Board filing fee \$1,692.00 to be applied to the Department of Public Works. (b) Water Appeals Board filing fee \$184.00 to be applied to the Fire Department.

Plan Check Fee (S1)

Water Appeals Board Filing Fee Public Works \$ 1,692.00

Water Appeals Board Filing Fee Public Works (Yes or No)

Plan Check Fee (S2)

Water Appeals Board Filing Fee Fire Department \$ 184.00

Water Appeals Board Filing Fee Fire Department (Yes or No)

1. Revisions - Fee is based on \$738.00 for each 1,000 ft of the affected length of the Water Main Line

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
LAND DEVELOPMENT DIVISION
REGIONAL PLANNING ITEMS
COST ESTIMATE FOR BOND PURPOSES**

REGIONAL PLANNING ITEMS MAP/TRACT NO. _____

LOCATION _____

PREPARED BY _____ DATE _____ CHECKED BY _____ DATE _____

| Item | Quantity | Unit Cost | Total Cost |
|---|----------|------------------|------------|
| Pavement Asphalt | | | |
| A.C. (2") | | \$ 1.09 /S.F. | \$ - |
| A.C. (3") | | \$ 1.39 /S.F. | \$ - |
| A.C. (4") | | \$ 1.71 /S.F. | \$ - |
| A.C. (6") | | \$ 2.33 /S.F. | \$ - |
| | | \$ - /S.F. | \$ - |
| P.C. Concrete | | | |
| Sidewalk (4" Thick) | | \$ 4.49 /S.F. | \$ - |
| Driveway (4") | | \$ 4.36 /S.F. | \$ - |
| Driveway (6") | | \$ 4.80 /S.F. | \$ - |
| Curb Ramp (APWA 111-2 Case A Type 3) | | \$ 2,160.85 Each | \$ - |
| Reinforced Concrete | | \$ 773.70 /C.Y. | \$ - |
| | | \$ - | \$ - |
| Curb and Gutter | | | |
| P.C.C. Curb | | \$ 13.26 /L.F. | \$ - |
| P.C.C. Curb and 1' Gutter | | \$ 17.13 /L.F. | \$ - |
| P.C.C. Curb and 2' Gutter | | \$ 19.90 /L.F. | \$ - |
| P.C.C. Curb Type C | | \$ 17.13 /L.F. | \$ - |
| A.C. Curb Type D | | \$ 17.13 /L.F. | \$ - |
| P.C.C. Alley Gutter | | \$ 17.13 /L.F. | \$ - |
| | | \$ - | \$ - |
| Miscellaneous Items | | | |
| Unclassified Excavation | | \$ 85.66 /C.Y. | \$ - |
| Clearing & Grubbing | | \$ 85.66 /C.Y. | \$ - |
| Sawcut | | \$ 2.88 /L.F. | \$ - |
| Concrete Removal Non Reinforced | | \$ 341.53 /C.Y. | \$ - |
| Concrete Removal Reinforced | | \$ 569.23 /C.Y. | \$ - |
| Crushed Agg. Base (under AC & PCC pavement) | | \$ 68.52 /C.Y. | \$ - |
| Crushed Agg. Base (under sidewalk, c&g, driveway) | | \$ 68.52 /C.Y. | \$ - |
| Crushed Agg. Base (removal) | | \$ 57.47 /C.Y. | \$ - |
| 6 Mil Polyethylene Film Membrane (30' deep) | | \$ 13.82 /L.F. | \$ - |
| CMU/Concrete Wall (6') | | \$ 34.27 /L.F. | \$ - |
| Chain Link Fence (5') | | \$ 22.77 /L.F. | \$ - |
| Chain Link Fence (6') | | \$ 30.95 /L.F. | \$ - |
| Tree Removal (Ave. 12' D) | | \$ 592.44 Each | \$ - |
| Lump Sum (fill in dollar amount) | | \$ - Each | \$ - |
| | | \$ - | \$ - |
| | | \$ - | \$ - |

| | |
|--|-------------|
| Subtotal (A) | \$ - |
| Contingency (15% x A) = B) | \$ - |
| Inflation (12% x (A+B) = C) | \$ - |
| Improvement Total (A+B+C=D) | \$ - |
| Regional Planning Bond Amount (D) | \$ - |

Roundup to nearest hundred

| LOT TREE BOND | | | |
|---|-----------------|------------------|-------------------|
| <i>Item</i> | <i>Quantity</i> | <i>Unit Cost</i> | <i>Total Cost</i> |
| Lot Trees | | \$ 560.51 Each | \$ - |
| Subtotal (E) | | | \$ - |
| Contingency (15% x E = F) | | | \$ - |
| Inflation (12% x (E+F) = G) | | | \$ - |
| Improvement Total (E+F+G = H) | | | \$ - |
| Regional Planning Lot Tree Bond Amount (H) | | | \$ - |
| Roundup to nearest hundred | | | |