



CITY OF KIRKLAND
Department of Public Works
123 Fifth Avenue, Kirkland, WA 98033 425.587.3800
www.ci.kirkland.wa.us

MEMORANDUM

To: David Ramsay, City Manager
From: Daryl Grigsby, Public Works Director
Ray Steiger, P.E., Capital Projects Manager
Date: July 1, 2008
Subject: 2008 PAVEMENT MARKING PROJECT – AWARD CONTRACT

RECOMMENDATION:

It is recommended that the City Council award the contract for the 2008 Pavement Marking Project to Apply-A-Line Inc. of Pacific, Washington in the amount of \$179,638 and approve \$84,295 from the street improvement reserve.

BACKGROUND DISCUSSION:

At their regular meeting of May 20, 2008, Council received an update on the 2008 Pavement Marking Project where they were informed of an anticipated budget shortfall of approximately \$82,000 (Attachment A). At that meeting Council was presented with three options for consideration and authorized the project's advertisement with the understanding that Staff would return with the bid results and a recommendation for an award.

The purpose of this project is to maintain the pavement markings that define the path of safe travel for motorists, bicyclists, and pedestrians. This project includes restriping lane lines, bike lanes, and public parking stalls as well as replacing worn crosswalk markings, stop lines, turn arrows, railroad crossing and other symbols throughout the City. This year's project also includes adding painted bike lanes on 6th Street South (from 68th Street to Kirkland Way), NE 80th Street (from 122nd Ave. NE to 132nd Ave. NE), Kirkland Way (from 6th street to 3rd Street) and Lake Washington Boulevard (from 60th Street to 2nd Ave. S), significant routes identified in the City's Non-motorized Transportation Plan. These bikes lanes are being installed in coordination with development projects happening in the City (i.e. Google campus construction).

The 2008 Pavement Marking Project budget consists of \$124,800 from the Street Operating Fund. This year's project was bid as four separate schedules of work and, with an engineer's estimate of \$211,000, two contractor bids were received on June 12th:

Schedule	Engineer's Estimate	Apply A-line (lowest bidder)	Stripe Rite
SCHEDULE A (Base Bid)			
restriping all lane lines	\$155,354	\$172,063	\$157,762
SCHEDULE B (Additive)			
restripe arterials/collectors only	\$28,810	\$29,040	\$32,140
SCHEDULE C (Additive)			
downtown parking stalls	\$4,575	\$4,575	\$6,750
SCHEDULE D (Additive)			
downtown curb painting	\$22,500	\$3,000	\$15,000
Total	\$211,239	\$208,678	\$211,653

Memorandum to David Ramsay

July 1, 2008

Page 2 of 2

In past years, the pavement marking program has occurred in two phases: Phase I (Schedule A) occurs in the spring and includes all paint striping and thermoplastic work throughout the City. Phase II (Schedule B) occurs in the early fall with an additional re-striping of all paint on collectors and arterials in preparation for the darker days of winter. Due to the fact that Phase I would occur later than usual this summer, staff's recommendation is to only award three schedules (A, C and D) to the lowest bidder, Apply A-line, and approve an additional \$84,295 from the Street Improvement Reserve fund (Attachment C) – Schedule B would not be awarded.

Construction of the project is anticipated to start in mid-July with substantial completion expected by the end of October.



CITY OF KIRKLAND

Department of Public Works

123 Fifth Avenue, Kirkland, WA 98033 425.587.3800

www.ci.kirkland.wa.us

ATTACHMENT A

MEMORANDUM

To: David Ramsay, City Manager

From: Daryl Grigsby, Public Works Director

Date: May 20, 2008

Subject: 2008 PAVEMENT MARKING PROJECT
AUTHORIZATION TO ADVERTISE FOR BIDS

RECOMMENDATION

It is recommended that the City Council consider three options presented with this memo and authorize staff to advertise the above project.

BACKGROUND DISCUSSION

The purpose of this project is to maintain the pavement markings that define the path of safe travel for motorists, bicyclists, and pedestrians. This project includes restriping lane lines, bike lanes, and public parking stalls as well as replacing worn crosswalk markings, stop lines, turn arrows, railroad crossing and other symbols throughout the City. This year's project also includes adding painted bike lanes on 6th Street South (from 68th Street to Kirkland Way), NE 80th Street (from 122nd Ave. NE to 132nd Ave. NE), Kirkland Way (from 6th street to 3rd Street) and Lake Washington Boulevard (from 60th Street to 2nd Ave. S), significant routes identified in the City's Non-motorized Transportation Plan. These bikes lanes are being installed in coordination with development projects happening in the City (i.e. Google campus construction).

The pavement marking program takes place in two phases: Phase I in the spring includes all paint striping and thermoplastic work, Phase II occurs in the early fall with a re-striping of all paint on collectors and arterials in preparation for the darker days of winter.

The project has a 2008 budget of \$124,800 that is programmed in the street operating fund. The engineer's estimate for the project is \$206,000. With this memo three options are presented for Council to consider:

- 1) Revise the project plans and specifications at this point to reduce the scope of work and then proceed to advertisement. Options for revisions to the project plans and specifications are:
 - A. Eliminate the second phase of striping (typically done in early fall prior to the darker season) –savings estimate is \$45,000.
 - B. Eliminate striping of downtown parking stalls –savings estimate \$5,000.
 - C. Eliminate the downtown curb painting –savings estimate \$25,000.

- 2) Proceed with the bid process with the aforementioned as alternates, once bids are opened, return to Council for award and options.
- 3) Approve \$82,000 from the street improvement fund reserve and proceed to bid with all elements of the work.

The annual pavement marking program has had a relatively consistent funding level since 2000; funding was increased in 2000 from the previous budget of \$90,000. Since 2000 however, the City has added approximately 34 additional miles of striped bike lanes (132nd Ave NE, Slater Ave, Juanita Drive, Market Street, etc.). During the same period, double yellow centerlines were added to approximately 60 miles of roadway to comply with appropriate safety guidelines. Additional inventory added through both private development and the City's own Capital Improvement Program continue to require ongoing maintenance. The period between 2000 and 2008 has also seen increases in the costs of materials that are utilized in the pavement marking program: labor, paint, and plastic.

Staff has examined the largest components of the City's annual pavement marking program. The five largest cost items in the program are: four-inch wide skip stripes (along the roadway centerlines), double yellow centerlines (which also includes center turn lane striping), six-inch wide bike lane striping, and the removal and/or reapplication of thermoplastic crosswalks. Chart 1 shows the change in quantities of these five components that were included in the pavement marking program over the last few years.

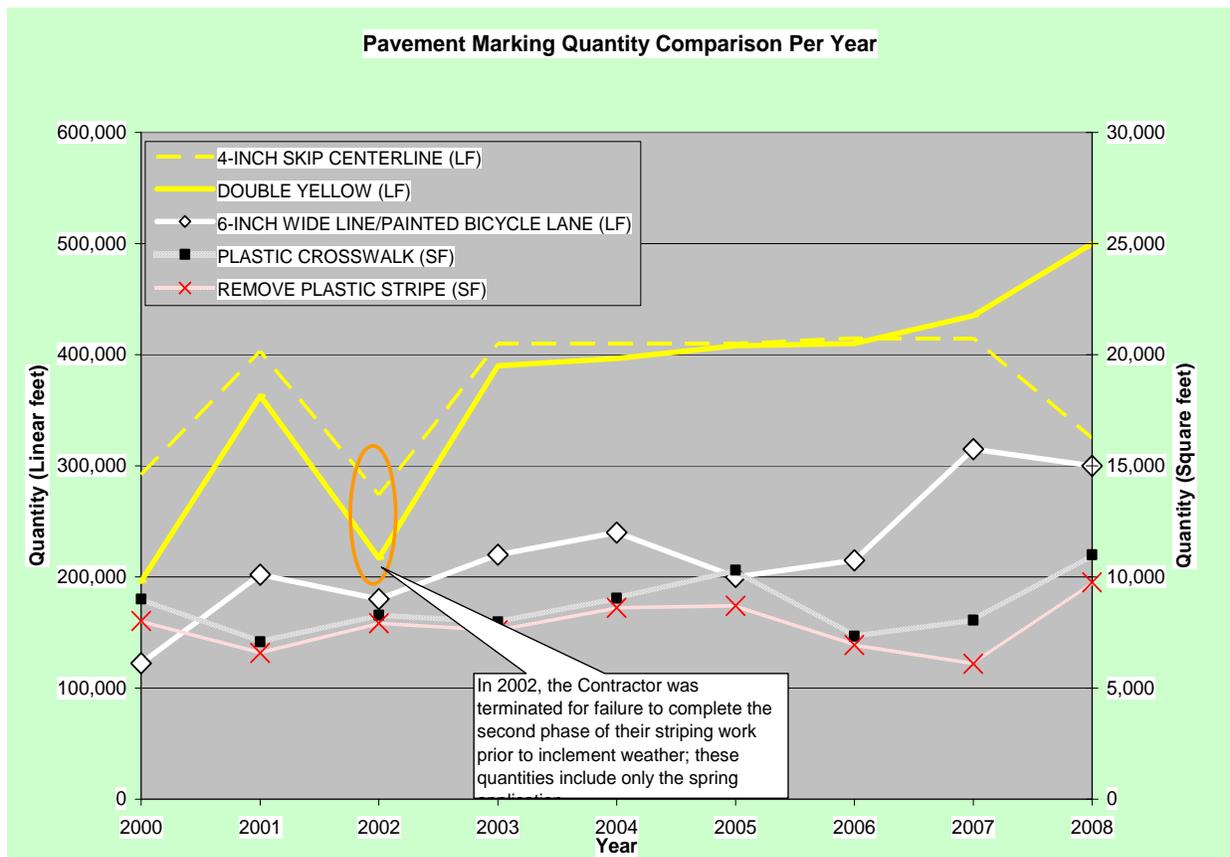


Chart 1 – Quantity comparison 2000 – 2008

During that same time escalation of prices, shown in Chart 2 for the same items, has combined to push the annual pavement marking program consistently beyond its budget (Chart 3).

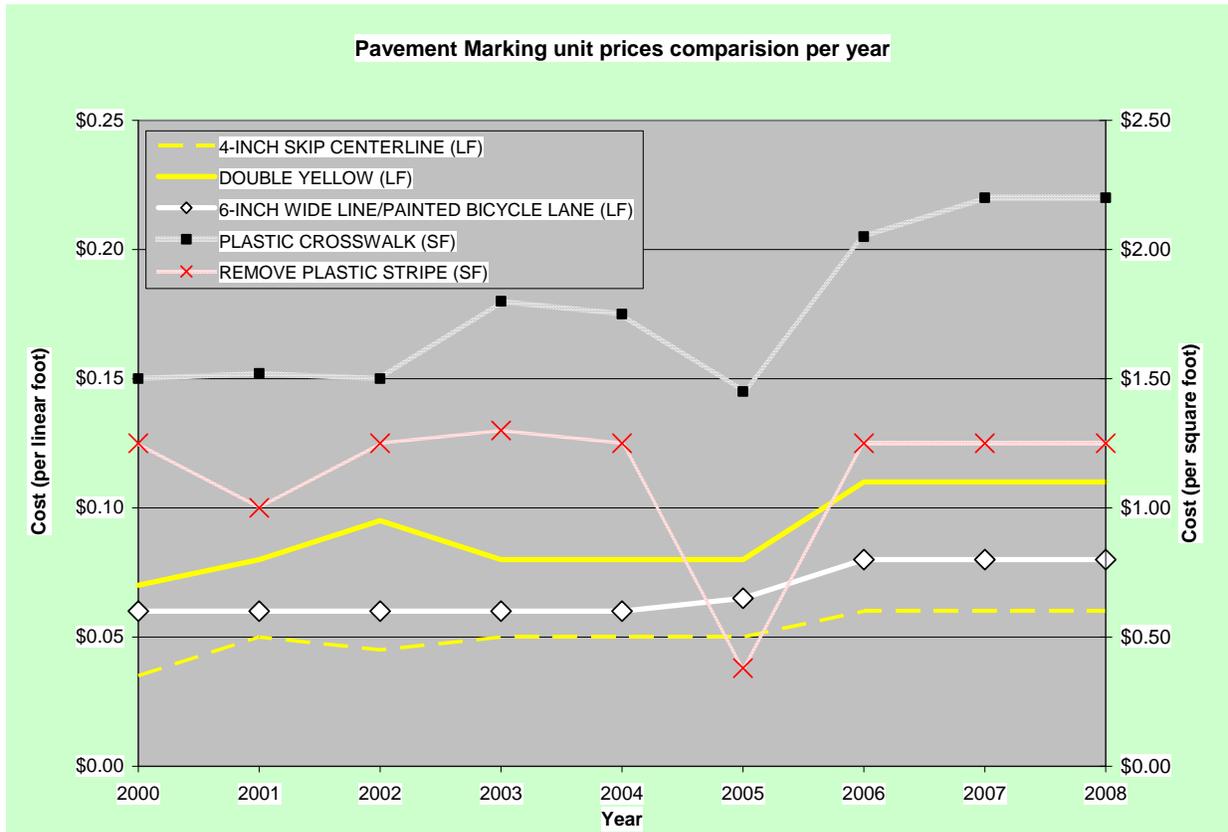


Chart 2 – Unit Price comparison 2000 – 2008

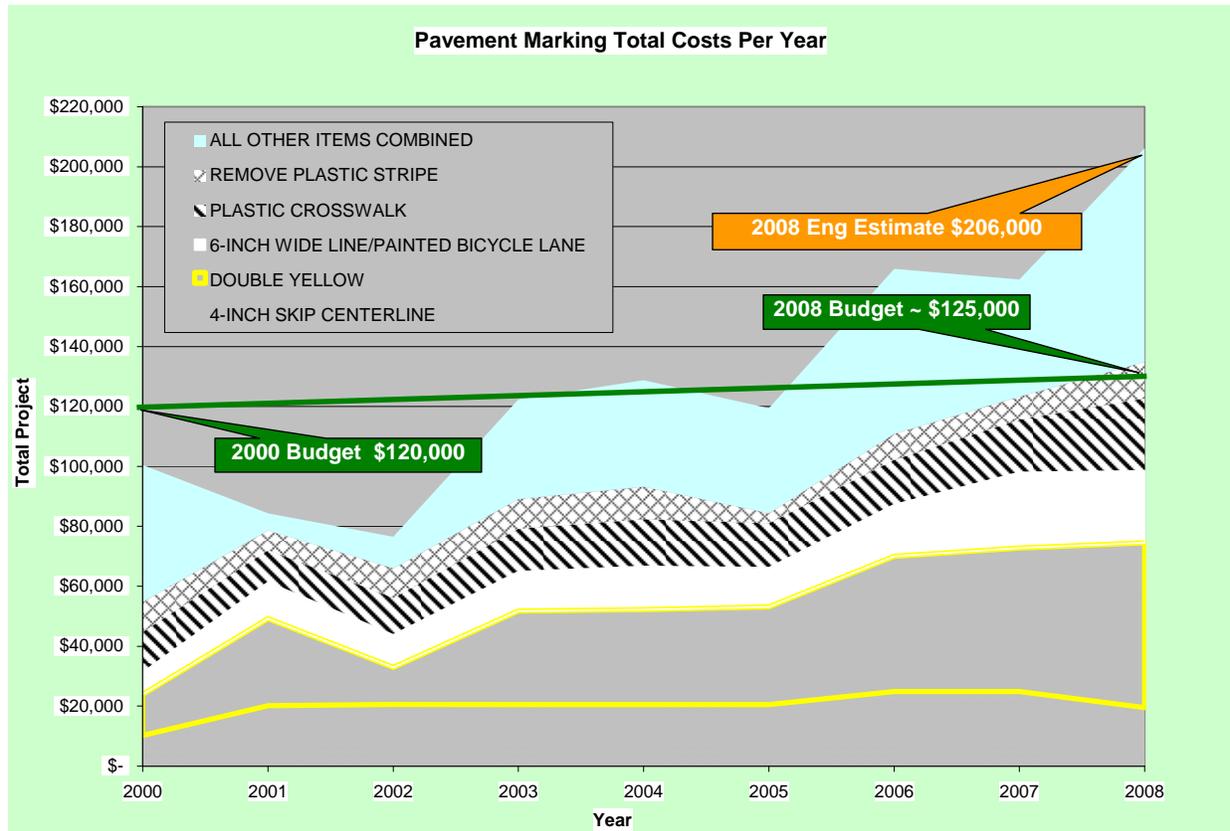


Chart 3 – Total Contract comparison 2000 – 2008

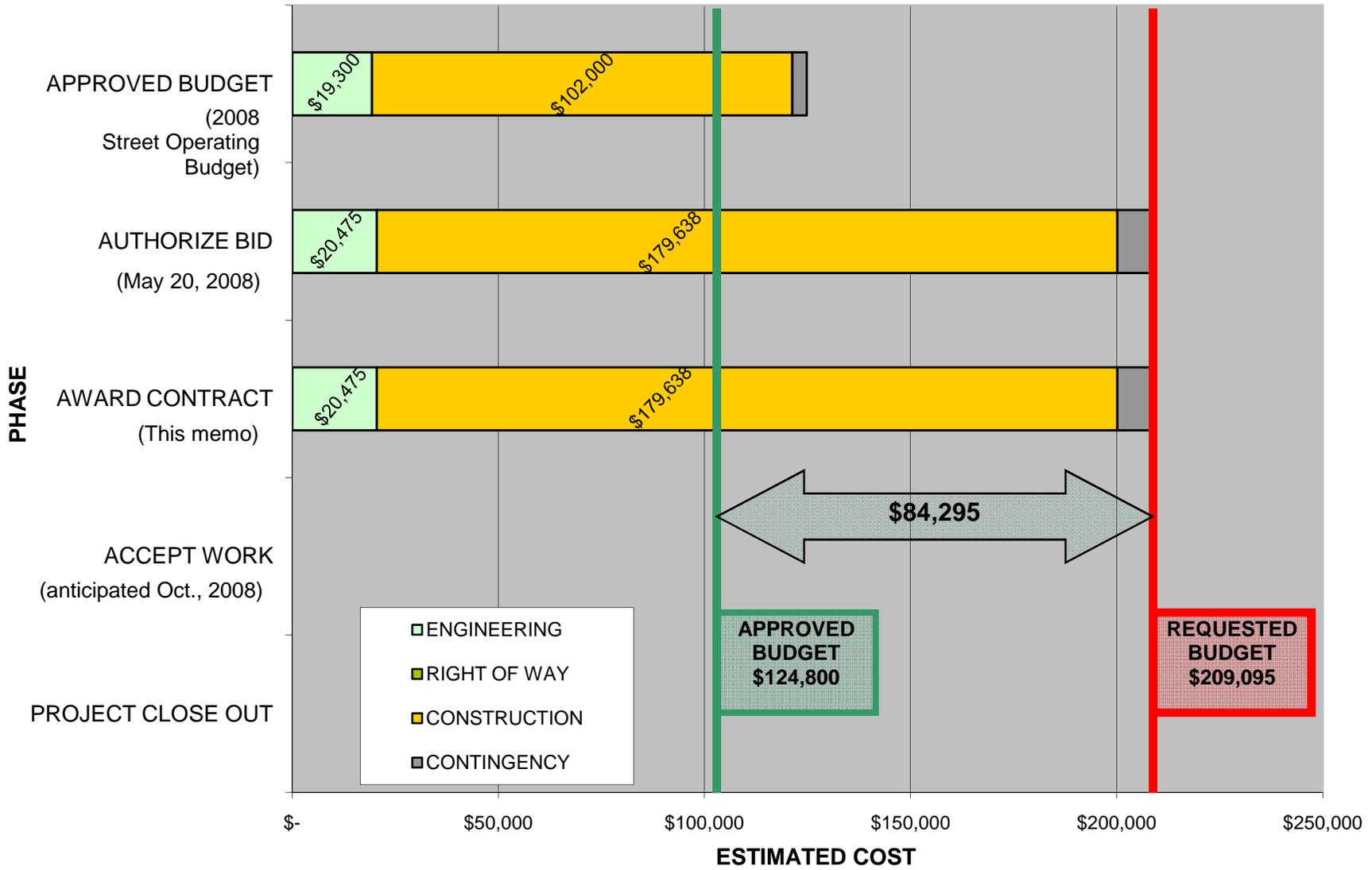
In 2006 and in 2007, council authorized additional funds from the street improvement fund reserve at the award of contract phase of the project. In light of recent concerns that were expressed regarding additional opportunities to weigh in on contract options, Staff has prepared a number of options herein for the Council to consider for the annual pavement marking program. As stated earlier in the Memo, the three options are:

- 1) Revise the project plans and specifications at this point to reduce the scope of work and then proceed to advertisement. Options for revisions to the project plans and specifications are:
 - A. Eliminate the second phase of striping (typically done in early fall prior to the darker season) –savings estimate is \$45,000.
 - B. Eliminate striping of downtown parking stalls –savings estimate \$5,000.
 - C. Eliminate the downtown curb painting –savings estimate \$25,000.
- 2) Proceed with the bid process with the aforementioned as alternates, once bids are opened, return to Council for award and options.
- 3) Approve \$82,000 from the street improvement fund reserve and proceed to bid with all elements of the work.

Staff recommends proceeding with the bid process using various alternatives as describes in Option 2. It is anticipated that bids will be opened in June.

2008 PAVEMENT MARKING PROJECT -- ST 0801

PROJECT BUDGET REPORT



FISCAL NOTE

CITY OF KIRKLAND

Source of Request							
Daryl Grigsby, Public Works Director							
Description of Request							
Request for additional funding of \$84,295 from the Street Improvement Reserve to complete the 2008 Pavement Marking project. Additional funding is needed to supplement the current budget of \$124,800 due to increased costs of materials and labor as reflected by the lowest bid received. In addition, bike lanes have been added to the scope of the project in coordination with development projects happening in the City and identified in the City's Non-motorized Transportation Plan.							
Legality/City Policy Basis							
Fiscal Impact							
One-time use of \$84,295 of the Street Improvement Reserve. The reserve is able to fully fund this request.							
Recommended Funding Source(s)							
<i>Reserve</i>	Description	2008 Est End Balance	Prior Auth. 2007-08 Uses	Prior Auth. 2007-08 Additions	Amount This Request	Revised 2008 End Balance	2008 Target
	Street Improvement Reserve	1,121,498	161,100	0	84,295	876,103	N/A
	2007-2008 Prior Authorized Uses includes \$91,100 in additional funding to close the Central Way Improvements project and \$70,000 for the 2007 Pavement Marking project.						
<i>Revenue/Exp Savings</i>							
<i>Other Source</i>							
Other Information							

Prepared By	Neil Kruse, Budget Analyst	Date	June 17, 2008
-------------	----------------------------	------	---------------