



CITY OF KIRKLAND
Department of Public Works
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MEMORANDUM

To: Kurt Triplett, City Manager

From: Dave Snider, P.E., Capital Projects Manager
Ray Steiger, P.E., Public Works Director

Date: April 5, 2012

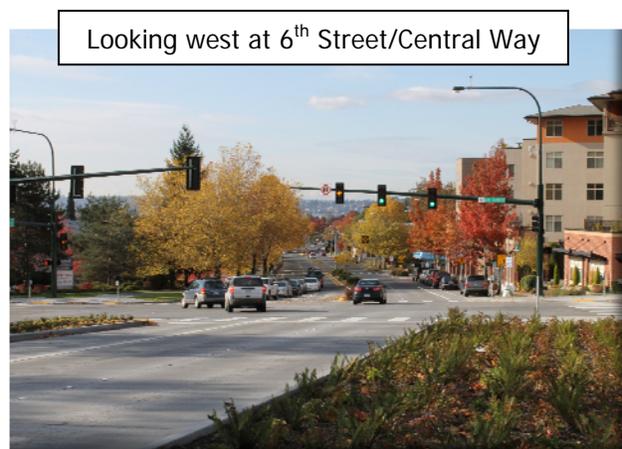
Subject: 6th STREET S & CENTRAL WAY INTERSECTION IMPROVEMENTS - ACCEPT WORK

RECOMMENDATION:

It is recommended that City Council accept the work on the 6th Street S & Central Way Intersection Improvements, as completed by Sanders General Construction, Issaquah, Washington, and establish the statutory 45 day lien period. In addition, it is recommended that City council authorize an additional \$32,000 be added to the Project budget.

BACKGROUND AND DISCUSSION:

The 6th Street S & Central Way Intersection Improvements consisted of intersection modifications and constructing a new traffic signal in support of anticipated redevelopment of Park Place. These improvements represent the first phase of the overall project that will eventually include ITS compatible signal components and a second westbound Central Way left turn to southbound 6th Street S. This Phase I of the Project also included pedestrian and bicycle improvements, lighting upgrades, traffic lane modifications, new landscaped median islands, and an all new concrete road surface at the intersection to address long term traffic impacts. Concurrent with the new intersection, a new 16-inch watermain was also installed (Attachment A).



Phase II of the intersection improvements includes minor upgrades and programming to the signal hardware to make them compatible with the City's new Intelligent Transportation Systems (ITS); design of the ITS for the City is now underway and was made possible with a 2011 Federal grant. Phase III of the intersection improvements, primarily construction of the second southbound left turn and lane along 6th Street S is scheduled to coincide with redevelopment of Park Place.

At their regular meeting of March 15, 2011, Council awarded the construction contract to Sanders General Construction in the amount of \$1,136,211. As a way to shorten the time between the award of contract and the start of the construction activities, the City pre-purchased the signal

poles and signal controller hardware through the State of Washington Purchasing Contract. The total estimated construction cost for the Project was estimated to be \$1,230,000 (Attachment B).

The construction activities began in April 2011, and reached physical completion in January 2012; the total amount paid to the contractor was \$1,267,373, including seven change orders. During construction, additional work was required as a result of unanticipated repairs needed on the intersection's existing storm drain system. In addition, sub-standard road base material was encountered under the former pavement leading to significant road sub-base preparation in advance of placing the new concrete. To facilitate these changes, approximately two weeks was added to the contract schedule, and increased costs occurred for material quantities and charges for uniformed police officers (UPO's) to control the busy intersection. The UPO's efforts were performed in large part by off-duty Kirkland police officers. The added construction time and complexities added in negotiating changes with the Contractor also led to increased costs associated with project management and inspection.

While Phase I is now complete, Phase II improvements are still proceeding at the intersection to facilitate the City's implementation of the recent Intelligent Transportation Systems (ITS) grant award. Minor adaptations to the signal controller and connection to a fiber network by Frontier Communications are proceeding so that the new signal will be compatible with the new ITS network.

Including engineering/inspection, the total amount spent to date is \$2,050,000 compared to the original Project budget of \$2,058,200 and leaving approximately \$8,200 of remaining budget. Phase II (ITS) elements, record drawings, and close out staffing are anticipated to bring total expenditures to the budget amount. However over the course of the Project, approximately \$32,000 of the original \$2,000,000 CTED grant has been utilized by the State for administration of the grant which was not accounted for by staff leaving a projected funding *shortfall* of approximately \$32,000.

Staff is proposing to utilize \$32,000 from funding committed to Kirkland by Sound Transit in order to complete the 6th and Central improvements. Since this intersection was one of four eligible to share a portion of \$1,338,000, and no funding has yet been used at the intersection, it is currently eligible. Table 1 identifies Sound Transit funding allocated to Kirkland intersections as a result of the Downtown Transit Center.

| Project | Billed To-Date | To Be Billed | TOTAL |
|--|-----------------------|---------------------|------------------|
| 3 rd Street S & Kirkland Way | \$420,000 | *\$230,000 | \$600,000 |
| 3 rd Street S & Central Way | \$0 | \$0 | \$0 |
| NE 68 th Street & 108 th Avenue NE | \$0 | *\$500,000 | \$500,000 |
| 6th Street S & Central Way | \$0 | \$32,000 | \$32,000 |
| TOTAL | \$420,000 | \$762,000 | \$1,182,000 |
| Agreement Amount | | | \$1,338,304 |
| <i>Uncommitted as of 4/2/12</i> | | | <i>\$156,304</i> |

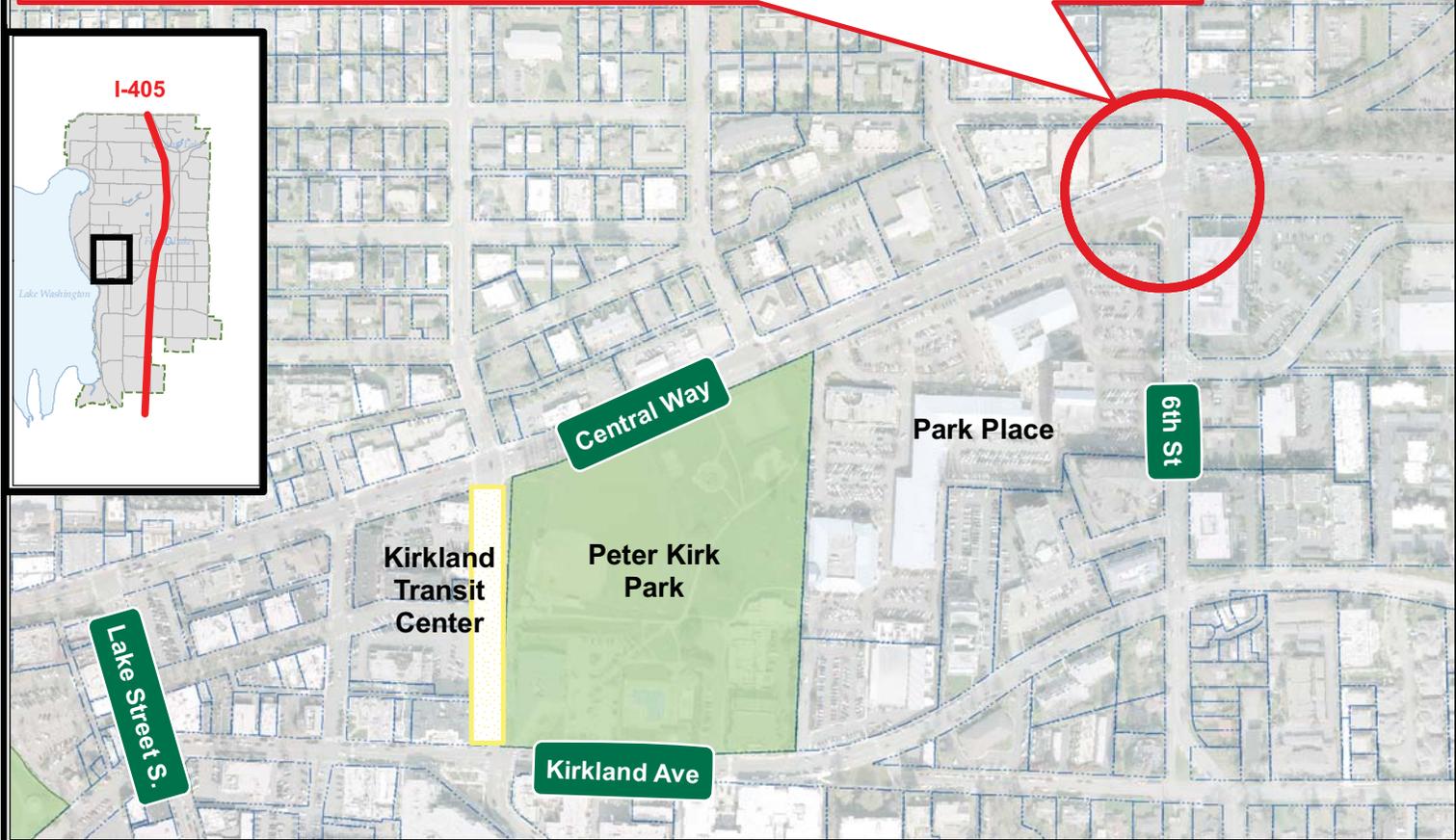
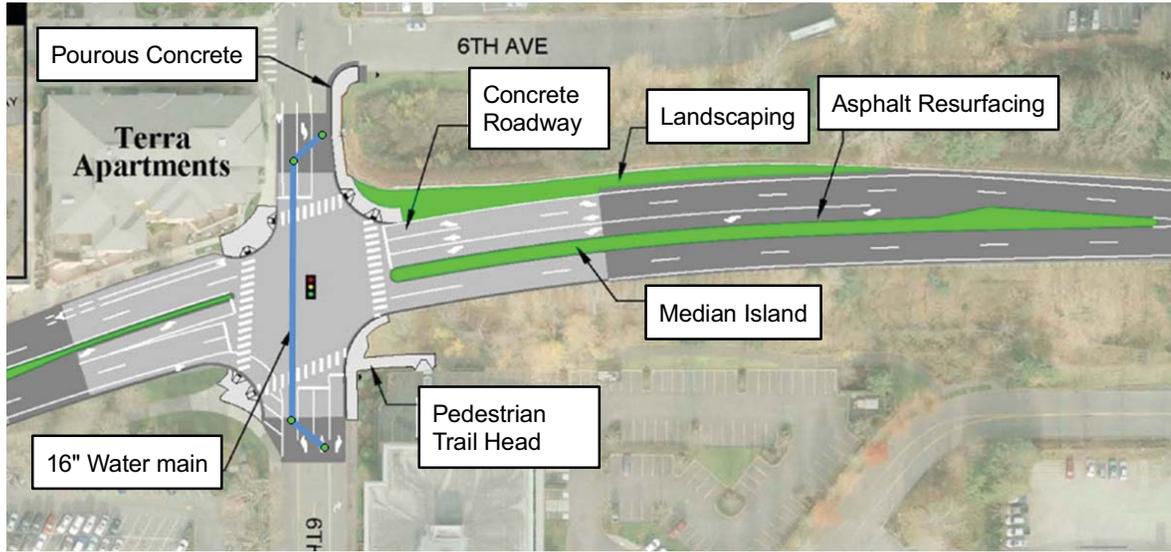
* Estimated

Table 1. Downtown Transit Center Associated Intersection Improvements

Attachments: (2)

6th St & Central Way Key Elements

- Traffic Lanes Modifications / ITS
 - * provision for dedicated turn lane to Park Place
- Water main replacement
- Bicycle Improvements
- Pedestrian Improvements
- Street Lighting



6th St S & CENTRAL WAY INTERSECTION IMPROVEMENTS (CTR-0100)

PROJECT BUDGET REPORT

