

**SOUND TRANSIT  
STAFF REPORT**

**MOTION NO. M2008-14**

**Bothell Branch Campus Access Contract Amendment**

<b>Meeting:</b>	<b>Date:</b>	<b>Type of Action:</b>	<b>Staff Contact:</b>	<b>Phone:</b>
Finance Committee	2/7/08	Discussion/Possible Action	Jim Edwards, Director Capital Projects <b>Paul Cornish, Project Manager</b>	(206) 398-5436  (206) 398-5342

<b>Contract/Agreement Type:</b>	<input checked="" type="checkbox"/>	<b>Requested Action:</b>	<input checked="" type="checkbox"/>
Competitive Procurement	<input checked="" type="checkbox"/>	Execute New Contract/Agreement	
Sole Source		Amend Existing Contract/Agreement	<input checked="" type="checkbox"/>
Agreement with Other Jurisdiction(s)		Budget Amendment	
Real Estate		Property Acquisition	

**PROJECT NAME**

Bothell Branch Campus Access

**PROPOSED ACTION**

Authorizes the chief executive officer to execute a contract amendment with INCA Engineers, Inc. to provide additional final design construction support and construction management services for the Bothell Branch Campus Access project in the amount of \$73,055, with a 10% contingency of \$7,305 totaling \$80,360, for a new total authorized contract amount not to exceed \$499,420.

**KEY FEATURES of PROPOSED ACTION**

- Provides for additional dollars to complete design construction support work and construction management services. The original design construction support and construction management services were authorized by the Finance Committee in February 2006.
- The scope of work for these services is the same as in the original contract: it includes review and approval of shop drawings and submittals, responding to RFIs, coordinating with Snohomish County PUD and the City of Bothell for utility arrangements, close out of the construction contract, preparation of operations and maintenance manuals, preparing as-built drawings and a final closeout report.
- After completion of the construction, in excess of \$1 million dollars is projected to be returned to the East King County Reserve during the 2009 budget process.

## **BUDGET IMPACT SUMMARY**

Current Project Phase: Construction  
Projected Completion Date: June 2008

There is no action outside of the Board-adopted budget; there are no contingency funds required, no subarea impacts, or funding required from other parties other than what is already assumed in the financial plan.

## **BUDGET and FINANCIAL PLAN DISCUSSION**

The Adopted 2008 Budget for this project is \$3,859,857, with a construction phase budget of \$2,062,187. The proposed action is to amend the contract with INCA Engineers, Inc. in the amount of \$80,360, for a new total authorized contract amount not to exceed \$499,420. This action leaves a remaining construction phase balance of \$1,022,670 and a project balance of \$2,105,135.

There are sufficient funds to complete this action. Committing these funds will not endanger any other project elements that are to be funded out of the overall project.

## BUDGET TABLE

Summary for Board Action (Year of Expenditure \$000)

Project: 372 - Bothell Branch Campus Access

	2008 Adopted Budget <sup>1</sup> (A)	Committed To Date <sup>2</sup> (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
1 Agency Administration	\$ 215	\$ 215	\$ -	\$ 215	\$ -
2 Preliminary Engineering	\$ 241	\$ 211	-	\$ 211	30
3 Final Design	\$ 329	\$ 286	-	\$ 286	43
4 Right of Way	\$ 36	\$ 3	-	\$ 3	32
5 Construction	\$ 2,062	\$ 959	80	\$ 1,040	1,023
6 Contingency	\$ 977	\$ -	-	\$ -	977
7 Total Current Budget	\$ 3,860	\$ 1,674	\$ 80	\$ 1,755	\$ 2,105

### Phase Budget Detail

8 Construction	\$ 2,062	\$ 959	\$ 80	\$ 1,040	1,023
9 Misc. Activity					-
10 Total Phase	\$ 2,062	\$ 959	\$ 80	\$ 1,040	\$ 1,023

Contract Budget	Current Approved Contract Value (F)	Committed To Date <sup>2</sup> (G)	Proposed Action (H)	Proposed Total Contract Value (I)
11 INCA Engineers, Inc.	\$ 392	\$ 392	\$ 73	\$ 465
12 Contingency	27	39	7	34
13 Total	419	431	80	499
14 Percent Contingency			10%	7%

### Notes:

<sup>1</sup> Project budget is located on page 163 of the Proposed 2008 Budget book. The 2008 Budget was adopted by the Board on November 29, 2007.

<sup>2</sup> Committed to date amount includes actual outlays and commitments through November 30, 2007.

## **SMALL BUSINESS PARTICIPATION**

INCA Engineers, Inc. is the prime consultant for this contract. On the original contract, INCA committed to M/W/DBE and Small Business participation of over 18%.

Small Business participation at the conclusion of the contract is projected to be 30.4%.

This action will result in a small business participation of 30.4%.

### Utilization Breakdown Table

<b>Subconsultant/Subcontractor</b>	<b>Business Type</b>	<b>% of Work</b>	<b>Dollar Value</b>
Kristen Betty & Associates	W/DBE	30.4	151,834

### EEO Commitment

INCA Engineers, Inc. workforce demographics are 28.75% women and 25% minorities.

## **PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION**

The Bothell Branch Campus Access project will improve transit access to the University of Washington/Cascadia Community College Campus from I-405 via NE 195th Street. The project will include signalization of the north campus loop, rechannelization of North Campus Road, rechannelization of Campus Way NE, modification of the north loop curb and sidewalk. These improvements will provide for more efficient transit movements in to and out of the campus and will expand the operational capacity for regional and local transit service.

Construction of this project was split into two phases to accommodate the schedule for long-lead items – the signal light poles and traffic signal controller. Kemper Construction Corporation began work in July 2007, and completed the first phase of construction in November 2007. Phase 1 included the earthwork and underground utility work – which are typically the high risk items on any construction job – and the rockeries and walls. The goal was to complete this work before shutting down for the wet winter months and then wait for the signal poles to arrive for installation. Phase 1 was completed as scheduled and with no change orders, but required extra effort by design and construction management team.

The construction team spent a great deal of unanticipated hours working with the contractor to complete the first phase of the construction before the winter rains. The contractor's original schedule did not complete the earth work in time for the winter weather. In addition, there were several reviews, rejections and re-submittals of the proposed traffic control plans, safety plans, the contractor's methods of construction and other contract requirements. Additional coordination with the power and telephone providers was also required due to a delay in starting the construction. With there being only one access point into the campus, the construction management team continues to spend additional hours working with the contractor to schedule work elements for minimal disruption and traffic impacts.

Other challenges faced by the design team included significant inconsistencies between what was found in the field versus what was shown on the existing campus as-built drawings. An example of the additional work required is re-creating a campus wiring diagram when it became obvious what had been constructed did not match the original campus construction plans. The team had to re-create wiring plans to connect the new signal equipment properly.

The original contract contingencies were used for these efforts as well as for additional traffic modeling requested by King County Metro.

Phase 2 construction is scheduled to start in first quarter 2008 and be complete in the second quarter of 2008. Work will include installation of the traffic signal poles, traffic signal controller, real time technology, final paving, and landscaping. This work will require the continued INCA/KBA team oversight. The proposed amendment includes funding for the continued construction management, shop drawings review and approval and coordination with the City of Bothell utilities group, Snohomish County, who will operate the traffic signal, and both the University of Washington and Cascadia Community College.

The contract amendment also includes the cost to close out the project which includes closing all contracts, and resolving any outstanding issues, ensuring as-built drawings are completed, and verifying/ transferring all warranties.

With the completion of the Phase 2, the project is projected to be in a position to return over \$1 million dollars back to the East King County Reserve. This is in addition to the \$3 million dollars that was returned to the Reserve from the project in 2004.

The project improvements will be turned over to the UW/CCC for ownership, maintenance and operation after construction.

#### **Prior Board/Committee Actions**

<b>Motion/Resolution Number and Date</b>	<b>Summary of Action</b>
M2006-16 2/2/06	Authorizing the Chief Executive Officer to execute a contract amendment with INCA Engineers, Inc. to provide for design and to exercise construction management services for the Bothell Branch Campus Access project in the amount of \$216,218, with a 10% contingency of \$21,622 for a new total authorized contract amount not to exceed \$419,061.

#### **CONSEQUENCES of DELAY**

A delay in amending the contract will not impose a significant impact to the project.

#### **PUBLIC INVOLVEMENT**

Sound Transit staff has conducted extensive coordination with the University of Washington and Cascadia Community College, as well as King County Metro, Community Transit, Snohomish County, and the City of Bothell. Staff has also attended several Bothell Transportation Caucus for project updates.

#### **ENVIRONMENTAL COMPLIANCE**

SK 1/7/08

#### **LEGAL REVIEW**

JW 1/30/08

## SOUND TRANSIT

### MOTION NO. M2008-14

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract amendment with INCA Engineers, Inc. to provide additional final design construction support and construction management services for the Bothell Branch Campus Access project in the amount of \$73,055, with a 10% contingency of \$7,305 totaling \$80,360, for a new total authorized contract amount not to exceed \$499,420.

#### **Background:**

The Bothell Branch Campus Access project will improve transit access to the University of Washington/Cascadia Community College Campus from I-405 via NE 195th Street. The project will include signalization of the north campus loop, rechannelization of North Campus Road, rechannelization of Campus Way NE, modification of the north loop curb and sidewalk. These improvements will provide for more efficient transit movements in to and out of the campus and will expand the operational capacity for regional and local transit service.

Construction of this project was split into two phases to accommodate the schedule for long-lead items – the signal light poles and traffic signal controller. Kemper Construction Corporation began work in July 2007, and completed the first phase of construction in November 2007. Phase 1 included the earthwork and underground utility work – which are typically the high risk items on any construction job – and the rockeries and walls. The goal was to complete this work before shutting down for the wet winter months and then wait for the signal poles to arrive for installation. Phase 1 was completed as scheduled and with no change orders, but required extra effort by design and construction management team.

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INCA/KBA team oversight. The proposed amendment includes funding for the continued construction management, shop drawings review and approval and coordination with the City of Bothell utilities group, Snohomish County, who will operate the traffic signal, and both the University of Washington and Cascadia Community College.

The contract amendment also includes the cost to close out the project which includes closing all contracts, and resolving any outstanding issues, ensuring as-built drawings are completed, and verifying/ transferring all warranties.

With the completion of the Phase 2, the project is projected to be in a position to return over \$1 million dollars back to the East King County Reserve. This is in addition to the \$3 million dollars that was returned to the Reserve from the project in 2004.

The project improvements will be turned over to the UW/CCC for ownership, maintenance and operation after construction.


**Motion:**

It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract amendment with INCA Engineers, Inc. to provide additional final design construction support and construction management services for the Bothell Branch Campus Access project in the amount of \$73,055, with a 10% contingency of \$7,305 totaling \$80,360, for a new total authorized contract amount not to exceed \$499,420.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on February 14, 2008.

  
Aaron Reardon  
Finance Committee Chair

ATTEST:

  
Marcia Walker  
Board Administrator