

May 16, 2016

## **CITY COUNCIL AGENDA MEMORANDUM**

### **SUBJECT:**

Resolution No. 9096 authorizing execution of Amendment #1 to the Professional Engineering Services Agreement with HDR Engineering, Inc., increasing the total contract amount from \$2,232,326 to \$2,518,670 to advance design on the NE Spring Boulevard roadway improvements, 116th Avenue NE to 120th Avenue NE (CIP Plan No. PW-R-172) and 120th Avenue NE to 124th Avenue NE (CIP Plan No. PW-R-173).

### **FISCAL IMPACT:**

This is one of two actions tonight pertaining to the NE Spring Boulevard (Zone 1) project. The other action is Ordinance No. 6287.

This action obligates the City to increase the contract total for the Professional Engineering Service Agreement with HDR Engineering, Inc., by \$286,353 from \$2,232,326 to \$2,518,670 to accomplish the following:

- GCCM Maximum Allowable Cost to Construct (MACC) estimate
- Teledesic Demolition Construction Documents
- Constructability with East Link
- Construction Access for NE Spring Boulevard

The contract increase is funded by the NE Spring Boulevard (Zone 1) project (CIP Plan No. PW-R-172). Sufficient funds exist within the 2015-2021 CIP to fully fund this contract. Pursuant to agreement with Sound Transit, \$78,506 of the design cost increase associated with demolition design will be reimbursed.

### **STAFF CONTACT:**

David Berg, Director, 452-6468

Mike Mattar, Design Division Manager, 452-4318

Steve Costa, Senior Project Manager, 452-2845

*Transportation Department*

### **POLICY CONSIDERATION:**

Council-adopted plans, including Capital Investment Program (CIP), Transportation Facilities Plans (TFP), and Sub-Area Transportation priorities within the City's Comprehensive Plan.

#### **Overall:**

- S-BR-4: Developing and implementing a phased approach so that transportation, open space, and other infrastructure is in place or committed to serve the needs of growth.

#### **Urban Design:**

- S-BR-25: Providing a strong consideration of urban places, character, and aesthetics in the design and implementation of all street projects.

#### **Environment:**

- S-BR-26: Protecting and enhancing wetlands.
- S-BR-30: Considering the coordination of storm water mitigation, as an effective means to achieve broader environmental benefits.

### Transportation:

- S-BR-52: Incorporating natural drainage practices to enhance the natural environmental into transportation projects where appropriate, effective, and feasible.
- S-BR-59: Designing arterials in a manner contributing to community character, open-space, and environmental enhancements.
- S-BR-62: Including pedestrian and bicycle facilities in the design of arterial street improvements.
- S-BR-68: Working with Sound Transit to realize the City's preferred light rail route, alignment, and station locations.

### Implementation:

- S-BR-78: Implementing the BelRed Plan through capital investments, and other public and private strategies.
- S-BR-81: Allowing development to advance in sync with and including the building of public infrastructure; consistent with the phasing approach of Policy S-BR-4.

### Inter-Jurisdictional Coordination:

- S-BR-177: Coordinating with Sound Transit in providing transportation projects and services needed.

## **BACKGROUND:**

The NE Spring Boulevard roadway improvements between 116th Avenue NE and 120th Avenue NE and between 120th Avenue NE and 124th Avenue NE are part of the broad BelRed Plan and Transportation vision of supporting planned growth and economic vitality, improving access and circulation, and capturing synergistic opportunities with Sound Transit's East Link Project.

As part of the 2015-2021 Capital Investment Program (CIP) budget adopted by Council on December 1, 2014, NE Spring Boulevard between 116th Avenue NE and 120th Avenue NE (CIP Plan No. PW-R-172) was fully funded for the development of final PS&E, the acquisition of necessary Right-of-Way (ROW), and construction. NE Spring Boulevard between 120th Avenue NE and 124th Avenue NE (CIP Plan No. PW-R-173) was funded for development final PS&E.

### Prior Council Actions:

On March 2, 2010, Council approved Ordinance No. 5942 authorizing:

- 1) Amendment of the 2009-2010 Capital Investment Program (CIP) creating a new CIP project entitled NE 15th Street Multi-Modal Corridor (Segment 1), 116th Avenue NE to 124th Avenue NE (CIP Plan No. PW-R-163), with an initial project budget of \$1,000,000;
- 2) Transferring a total of \$1,000,000 in Mobility & Infrastructure Initiative (M&II) funding from CIP Plan No. G-80 to fund the new CIP Plan No. PW-R-163; and,
- 3) Execution of a Professional Engineering Services Agreement with HDR in an amount not to exceed \$1,331,583.58 for advancing preliminary engineering of the NE 15th/16th Street Multi-Modal Corridor, which was funded by both CIP Plan No. PW-R 163 and CIP Plan No. PW-R-153.

On March 4, 2013, Council approved Resolution No. 8534 authorizing execution of a Professional Engineering Services Agreement with HDR Engineering, Inc. in the amount of \$2,108,799 to complete 60% Preliminary Engineering Plans, Specifications, and Estimates (PS&E) for the planned NE 15th Street roadway improvements from 116th Avenue NE to 124th Avenue NE (CIP Plan Nos. PW-R-172 and PW-R-173).

On February 2, 2015, Council approved Resolution No. 8873 authorizing execution of the necessary grant agreements (and supplements if necessary) with the Washington State Department of Transportation (WSDOT) to accept \$3,000,000 in federal Surface Transportation Program (STP) funding to support the design phase of NE Spring Boulevard from 116th Avenue NE to 124th Avenue NE (CIP Plan Nos. PW-R-172 and PW-R-173).

On April 20, 2015, Council approved Resolution No. 8903 amending and restating the Umbrella Memorandum of Understanding (MOU) between the City of Bellevue and Sound Transit. As provided within the MOU, the parties agreed to evaluate Sound Transit's inclusion and construction of NE Spring Boulevard from the Eastside Rail Corridor to 120th Avenue NE (Zone 1b) at the time of the East Link improvements.

On May 4, 2015, Council approved Resolution No. 8907 authorizing execution of a Professional Engineering Services Agreement with HDR Engineering, Inc. in the amount of \$2,232,326 to complete Final Engineering Design Plans, Specifications, and Estimates (PS&E) for the planned NE Spring Boulevard roadway improvements between 116th Avenue NE and 124th Avenue NE (CIP Plan Nos. PW-R-172 and PW-R-173).

This is one of two actions tonight pertaining to the NE Spring Boulevard (Zone 1) project. The other action is:

- 1) Motion to award Bid No. 16028 for demolition of the Teledesic building located at 1445 – 120th Avenue NE, as part of the NE Spring Boulevard (Zone 1) project (CIP Plan No. PW-R-172), to Dickson Company as the lowest responsible and responsive bidder, in the amount of \$898,115.59.
- 2) Ordinance No. 6287:
  - a. Authorizing execution of an Agreement between Sound Transit and the City of Bellevue for reimbursement of design and construction costs associated with the demolition of the Teledesic building located at 1445 – 120th Avenue NE; and,
  - b. Amending the 2015-2016 General Capital Investment Program (CIP) Fund to increase the appropriation by \$1,133,339; and
  - c. Amending the 2015-2021 Capital Investment Plan (CIP) to a) include demolition of the Teledesic building located at 1445 – 120th Avenue NE as part of the NE Spring Boulevard (Zone 1) project (CIP Plan No. PW-R-172); and b) increase the project budget by \$1,133,339 funded by new Sound Transit funding.

Additional work needed under this Amendment:

GCCM Maximum Allowable Cost to Construct (MACC) estimate

Staff completed the 60% phase of work which included a constructability report recommending concurrent construction of NE Spring Boulevard between the Eastside Rail Corridor and 120th Avenue NE (Zone 1b) with the East Link project. Subsequent to the April 2015 Umbrella Memorandum of Understanding (MOU), staff engaged Sound Transit and their General Contractor/Construction Manager (GCCM) for the preparation of a Maximum Allowable Cost to Construct (MACC) estimate for NE Spring Boulevard (Zone 1b). GCCM contracting methodology calls for the preparation of an Independent Cost Estimate (ICE) for verification of the MACC estimate. This work was not identified in the professional services agreement with HDR Engineering, Inc.

### Teledesic Demolition Construction Documents

The alignments of the East Link project and NE Spring Boulevard (Zone 1b) coincide through the Teledesic building at 1475 – 120th Avenue NE. The MOU, called for the City to acquire the property and convey certain interests to Sound Transit. Sound Transit would then demolish the building during the construction of East Link in 2017. However, staff determined during the MACC preparation that the City would see greater cost-benefit if NE Spring Boulevard (Zone 1b) were to be built prior to the construction of East Link. This schedule acceleration also requires building demolition in 2016. Sound Transit has agreed to reimburse the design and demolition costs so that the City may perform the Teledesic building demolition.

### Constructability with East Link

Preliminary designs for East Link in the vicinity of NE Spring Boulevard (Zone 1b) reflected a drainage ditch parallel to the guideway. Since the east bridge of NE Spring Boulevard (Zone 1b) spans over the guideway, staff worked with Sound Transit to eliminate the drainage ditch so that the bridge girders could be shortened and the bridge abutment foundations raised. Substantial construction cost savings are expected from the shorter bridge and shallower abutments, provided the NE Spring Boulevard plans are revised to reflect the changes to East Link.

Demolition of the Teledesic building and construction of NE Spring Boulevard (Zone 1b) prior to East Link also requires additional removals and site grading on the Teledesic property that otherwise would have been performed by Sound Transit. The plans must be revised to reflect this work and staff plans to engage Sound Transit for reimbursement of the additional construction costs.

### Construction Access for NE Spring Boulevard

Construction access for the NE Spring Boulevard (Zone 1b) project will be impacted by an eight month road closure due to Stage 3 construction of the 120th Avenue NE project (CIP Plan No. PW-R-168). The road closure is required for preloading and elevating 120th Avenue NE for the East Link guideway. Staff has identified an alternative access utilizing City of Bellevue property and easements adjacent to the Delta International property at 11730 NE 12th Street; however, plans have to be developed for a temporary access ramp across the Burlington Northern property owned by Sound Transit.

### **EFFECTIVE DATE:**

If approved, this Resolution becomes effective immediately upon Council adoption.

### **OPTIONS:**

- 1) Approve Resolution authorizing execution of Amendment #1 to the Professional Engineering Services Agreement with HDR Engineering, Inc., increasing the total contract amount from \$2,232,326 to 2,518,670 to advance design on the NE Spring Boulevard roadway improvements, 116th Avenue NE to 120th Avenue NE (CIP Plan No. PW-R-172) and 120th Avenue NE to 124th Avenue NE (CIP Plan No. PW-R-173).
- 2) Do not approve Resolution and provide alternative direction to staff.

### **RECOMMENDATION:**

Option 1.

### **MOTION:**

Resolution No. 9096 authorizing execution of Amendment #1 to the Professional Engineering Services Agreement with HDR Engineering, Inc., increasing the total contract amount from \$2,232,326 to \$2,518,670 to advance design on the NE Spring Boulevard roadway

improvements, 116th Avenue NE to 120th Avenue NE (CIP Plan No. PW-R-172) and 120th Avenue NE to 124th Avenue NE (CIP Plan No. PW-R-173).

**ATTACHMENTS:**

Vicinity Map

CIP Project Descriptions (PW-R-172, PW-R-173)

Proposed Resolution No. 9096

**AVAILABLE IN COUNCIL DOCUMENT LIBRARY:**

Professional Services Agreement with HDR Engineering for R-172 & R-173