

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT:

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

FISCAL IMPACT:

This action obligates the City to the maximum amount of \$2,108,799 for Professional Engineering Services and development of preliminary engineering PS&E. This effort will build upon the previously completed 5% design effort, which concluded in 2011. The earlier pre-design developed the NE 15th/16th Street conceptual roadway alignments and roadway typical-sections for the overall corridor.

This amount is fully funded through the 2013 – 2019 Capital Investment Program (CIP Plan No. PW-R-172, and CIP Plan No. PW-R-173). Both projects are funded for design only.

<u>CIP Plan No.</u>	<u>Funding Description</u>	<u>Amount</u>
PW-R-172	NE 15th Street - 116th Ave NE to 120th Ave NE (Zone 1)	\$1,168,875.40
PW-R-173	NE 15th Street - 116th Ave NE to 120th Ave NE (Zone 2)	939,923.60
Total		<u>\$2,108,799.00</u>

This action and its fiscal impact are consistent with the 2013-2019 CIP project scopes and Council's approval of the Mobility and Infrastructure Initiative (M&II). All engineering design, right-of-way acquisition, and construction costs will be tracked for inclusion in a potential future Bel-Red Corridor Local Improvement District (LID), should it be formed.

STAFF CONTACT:

David Berg, Director, 452-6468
Ron Kessack, Assistant Director, 452-4631
Rick Logwood, Capital Projects Manager, 452-6858
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 Bel-Red 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 15th Street roadway improvements between 116th Avenue NE and 120th Avenue NE and improvements between 120th Avenue NE and 124th Avenue NE are part of the Mobility & Infrastructure Initiative (M&II). The M&II was developed to address unprecedented growth in downtown Bellevue and to support planned growth in the Bel-Red and Wilburton areas. The objectives of the M&II include encouragement of economic vitality and appropriate redevelopment of the area's urban design and identity.

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 the 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-R163 and CIP Plan No. PW-R-153.

As discussed with Council, the engineering work would be phased, where the initial engineering effort would define the interim and ultimate improvements, develop typical corridor cross-sections at key locations and initially define how the overall alignment and infrastructure may generally be integrated with Sound Transit's East Link project, coordinated with adjacent development, and update the estimated costs for each potential stage for implementing corridor improvements. Following Council endorsement of the overall alignment and typical sections, the second phase of work would proceed. The first phase would be limited to approximately a 5% design level of detail.

The second phase was to build upon the Council-endorsed alignment and cross-sections and further refine the conceptual engineering to approximately a 15% design level of PS&E, which would provide a more detailed engineering alignment, including interface with Sound Transit's East Link Light Rail project, initiate early development of associated urban design elements, further address environmental sustainability regarding broader opportunities to efficiently treat and convey storm water runoff, and develop a corridor animation model reflecting the final adopted version of the integrated multi-modal corridor.

The second phase was to provide a more detailed evaluation of potential cost sharing and/or responsibilities, and explore forward compatibility between the proposed roadway alignments and Sound Transit's East Link Project, including how improvements may be integrated or, if staged, evaluate how construction of the future roadway stages may be completed at a later date, together with potential mitigation and cost-related responsibilities. This second phase was to be limited to approximately a 15% to 30% design level of detail. The second phase was never fully initiated or completed.

Staff completed the initial 5% phase of the work, which concluded with staff and the Transportation Commission representative presenting recommendations to Council on June 13, 2011. With deferral of Council endorsement of the general roadway alignment's and typical roadway cross-sections, and with HDR Engineering having completed the initial work as scoped, budgeted, and funded, staff closed the Professional Services Agreement. No further work has proceeded beyond the initial 5% design, and the initial CIP Projects funding the work have since been closed. Funding not expended in the original authorized agreement has since been redistributed in the 2013 – 2019 CIP.

HDR Engineering is recommended by staff to continue to provide professional engineering design services for this new Professional Engineering Services Agreement because:

- HDR Engineering was determined to be the most qualified consultant to perform the design work;
- Their selection maintains design engineering continuity and familiarity on key issues;
- Their selection maintains credibility with key stakeholders, including Sound Transit, adjacent development
- Their selection maintains engineering coordination and continuity with Parsons Brinkerhoff who are designing improvements for the 120th Avenue NE project (CIP Plan No. 168).

Advancing the NE 15th Street roadway engineering will ensure that the design of proposed roadway improvements, right-of-way requirements, underground utilities, and future constructability issues are coordinated:

- Sound Transit's East Link Light Rail and Station area at NE 15th and 120th Avenue NE.
- CIP Plan No. PW-R-168: 120th Avenue NE (Stage 2), NE 12th Street to NE 16th Street.
- CIP Plan No. PW-R-166: 124th Avenue NE, NE 15th/16th Street to Northup Way.

This Agreement for 60% design for the NE 15th Street projects will be completed in two phases, advancing what was presented to Council for zone's 1 & 2 on June 13, 2011. The first phase of this new agreement will advance preliminary engineering to 30% design, which will refine conceptual alignments for both horizontal and vertical alignments, and begin further work on

storm water design and coordination, location and placement of underground utilities, and begin evaluation of construction phasing and related issues with Sound Transit's East Link Light Rail project. This effort will further evaluate cost sharing and/or responsibilities.

The second phase of this new agreement will advance preliminary engineering to 60% design, which will include development of signalization, street lighting, landscaping, refinement and costs associated with underground utilities, storm water and water quality treatment including addressing infiltration, and other related disciplines. This effort does not include preparation of environmental documentation or application for environmental approvals or permitting for construction. As noted above, reaching a uniform basis of 60% design for intersecting related improvements will further allow the evaluation of constructability-related issues associated with further phasing considerations and related potential costs.

The 60% design will further support coordination with development including a future plaza area around the planned LRT station, and with Pine Forest Properties, which represent the property immediately south of the proposed NE 15th Street and west of 120th Avenue NE. Pine Forest Properties recently submitted their pre-application documents, which are proposed to advance their development application for a catalyst development proposal and project under the provisions of the Bel-Red Sub-Area plan. The northern portion of the property is also identified in the City's acquisitions as part of the Sound Transit / City of Bellevue Memorandum of Understanding (MOU) for collaboration and coordination for the East Link Light Rail project.

Relevant Past Council Actions:

On November 15, 2011, Council approved Resolution No. 8322, entering into a MOU with Sound Transit for intergovernmental collaboration and coordination for the East Link Project, and supporting ongoing coordination and collaboration effort in providing opportunities for reducing costs and ensuring the delivery of quality improvement through a joint effort, as Sound Transit advances design of their project toward a 60% design level.

On December 3, 2012, Council approved Ordinance No. 6089 adopting the 2013 – 2019 Capital Investment Program (CIP), which included the design of NE 15th Street, new arterial improvements between 116th Avenue NE and 120th Avenue NE (CIP Plan No. PW-R-172), and the design of NE 15th Street, new arterial improvements between 120th Avenue NE and 124th Avenue NE, (CIP Plan No. PW-R-173).

EFFECTIVE DATE:

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

OPTIONS:

1. Approve 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 between 116th Avenue NE and 120th Avenue NE (CIP Plan No. PW-R-172), and improvements between 120th Avenue NE and 124th Avenue NE, (CIP Plan No. PW-R-173).
2. Do not approve Resolution No. 8534 and provide alternative direction to staff.

RECOMMENDATION:

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

MOTION:

Move to approve Resolution No. 0534 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 between 116th Avenue NE and 120th Avenue NE (CIP Plan No. PW-R-172), and improvements between 120th Avenue NE and 124th Avenue NE, (CIP Plan No. PW-R-173).

ATTACHMENTS:

CIP Project Description (PW-R-172, PW-R-173)
Proposed Resolution No. 0534

AVAILABLE IN COUNCIL OFFICE:

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

PW-R-172 NE 15th Street (Zone 1) - 116th Avenue NE to 120th Avenue NE

Category: **Roadways**
 Department: **Transportation**

Status: **New**
 Location: **Bel-Red Subarea**

Programmed Funding

Programmed Funding	Appropriated To Date	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget
1,356,597	-	102,100	444,339	454,559	355,599	-	-	-

Description and Scope

This project will advance to a 60% design level a new arterial street connection between NE 12th Street/116th Avenue NE and 120th Avenue NE, with the widening of NE 12th Street between 116th Avenue NE and the new street connection. The project includes signalized intersection improvements at the NE 12th Street connection and modifications to the existing NE 12th Street/116th Avenue NE intersection. The planned roadway cross-section will include two travel lanes in each direction with turn pockets or a center turn lane, curb, gutter, a separated 16 foot wide multi-purpose path along the north side and a six foot sidewalk on the south side, landscaping, irrigation, illumination, storm drainage, water quality treatment, and other underground utilities. The project will be designed in coordination with the Sound Transit East Link light rail line project and the planned station in the vicinity of 120th Avenue NE. The project will be designed to reflect Bel-Red urban design criteria and will also be coordinated with private development in the vicinity and the development of NE 15th Street - 120th to 124th Avenues NE (Zone 2; CIP Plan No. PW-R-173) and 120th Avenue NE Improvements – NE 12th Street to Northup Way (Stage 3; CIP Plan No. PW-R-168).

Rationale

The NE 15th Street project is one of a number of high priority transportation investments that will improve access, circulation, and mobility options for passenger cars, transit, freight, pedestrians, and bicycles to and between Downtown Bellevue, Wilburton, the new Bel-Red transit-oriented-development nodes, and the larger city and region. This project in coordination with the extension of NE 4th Street, a widened and realigned 120th Avenue NE corridor, the planned NE 6th Street extension, and a widened and improved 124th Avenue NE corridor have been associated and advanced as part of the Mobility and Infrastructure Initiative (M&I) of 2009. The package of M&I projects was formed to address recent growth, accommodate planned new land use development in the vicinity, and to ensure coordinated design and implementation with the Sound Transit East Link light rail project.

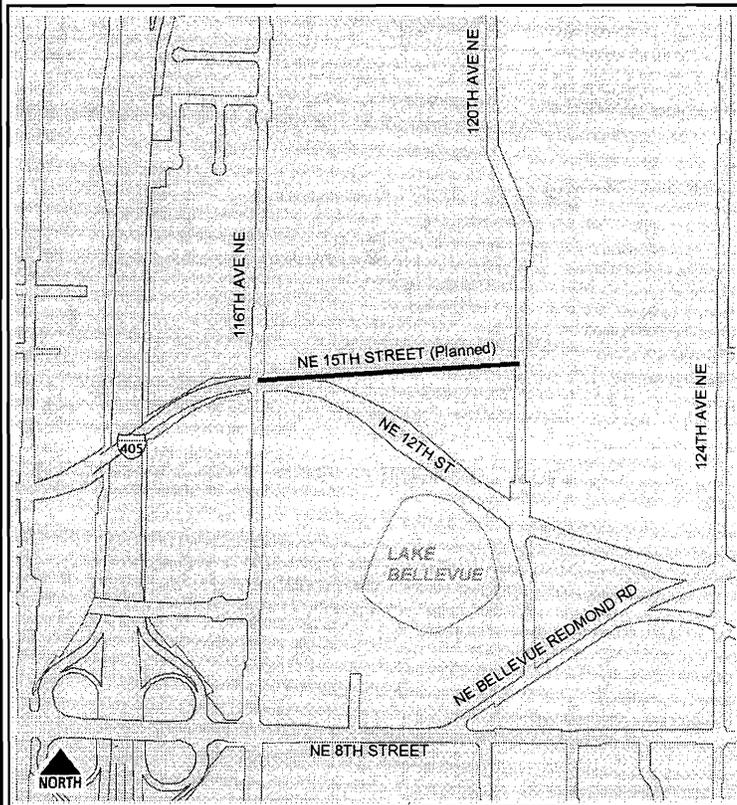
Environmental Impacts

An environmental determination will be made in conjunction with a final design for this project.

Operating Budget Impacts

Ongoing maintenance and operations costs of the new facilities will be determined during the project's design phase.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	2013 - 2016	1,356,597
Total Budgetary Cost Estimate:		1,356,597

Means of Financing

Funding Source	Amount
General Taxes	1,356,597
Total Programmed Funding:	1,356,597
Future Funding Requirements:	0

Comments

PW-R-173 NE 15th Street (Zone 2) - 120th Avenue NE to 124th Avenue NE

Category: **Roadways**
 Department: **Transportation**

Status: **New**
 Location: **Bel-Red Subarea**

Programmed Funding

Programmed Funding	Appropriated To Date	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget
1,345,415	-	102,100	334,561	449,211	459,543	-	-	-

Description and Scope

This project will advance to a 60% design level a new arterial street connection between 120th and 124th Avenues NE, including signalized intersections at 120th, 121st, 123rd, and 124th Avenues NE. The planned roadway cross-section will include two travel lanes in each direction with widened outside lanes for shared bicycle use, turn pockets or center medians, curb, gutter, and 14 foot wide sidewalks on both sides, landscaping, irrigation, illumination, storm drainage, water quality treatment, and other underground utilities. A 10 foot wide on-street parking and transit vehicle layover space will be provided along the north side of the roadway alignment. The project will be designed in coordination with the Sound Transit East Link light rail line project and the planned station in the vicinity of 120th Avenue NE. The project will be designed to reflect Bel-Red urban design criteria and will also be coordinated with private development in the vicinity, including the development of parallel non-motorized system improvements along the NE 16th Street alignment. The project will also be coordinated with the development of NE 15th Street - 120th to 124th Avenues NE (Zone 1; CIP Plan No. PW-R-172), 120th Avenue NE Improvements – NE 12th Street to Northup Way (Stage 3; CIP Plan No. PW-R-168), and 124th Avenue NE Improvements – NE 14th Street to Northup Way (CIP Plan No. PW-R-166).

Rationale

The NE 15th Street project is one of a number of high priority transportation investments that will improve access, circulation, and mobility options for passenger cars, transit, freight, pedestrians, and bicycles to and between Downtown Bellevue, Wilburton, the new Bel-Red transit-oriented-development nodes, and the larger city and region. This project in coordination with the extension of NE 4th Street, a widened and realigned 120th Avenue NE corridor, the planned NE 6th Street extension, and a widened and improved 124th Avenue NE corridor have been associated and advanced as part of the Mobility and Infrastructure Initiative (M&I) of 2009. The package of M&I projects was formed to address recent growth, accommodate planned new land use development in the vicinity, and to ensure coordinated design and implementation with the Sound Transit East Link light rail project.

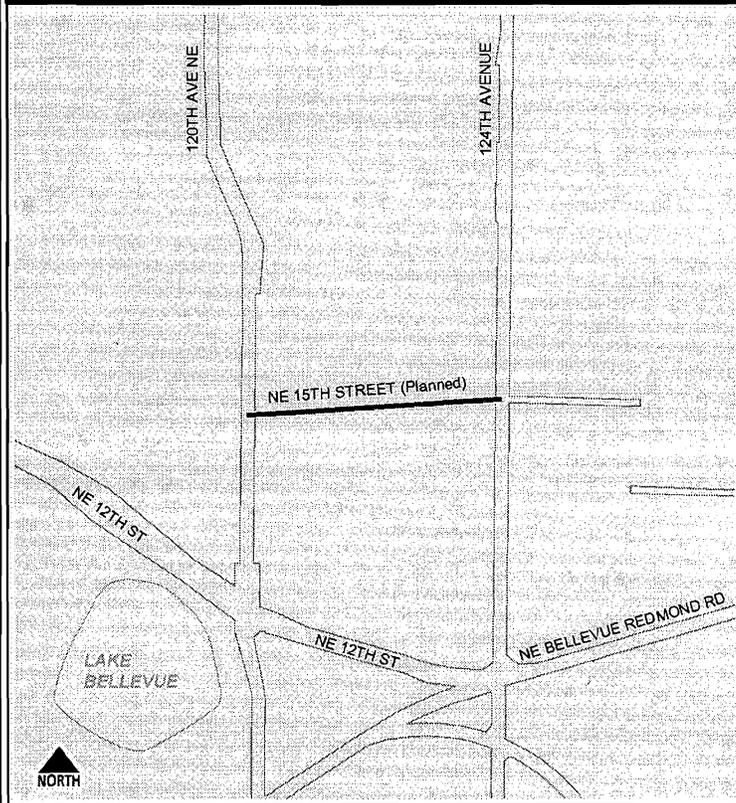
Environmental Impacts

An environmental determination will be made in conjunction with final design for this project.

Operating Budget Impacts

Ongoing maintenance and operations costs of the new facilities will be determined during the project's design phase.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	2013 - 2016	1,345,415
Total Budgetary Cost Estimate:		1,345,415

Means of Financing

Funding Source	Amount
General Taxes	1,345,415
Total Programmed Funding:	1,345,415
Future Funding Requirements:	0

Comments

CITY OF BELLEVUE, WASHINGTON

RESOLUTION NO. 8534

A RESOLUTION authorizing the execution of a Professional Engineering Services Agreement with HDR Engineering, Inc., in an amount not to exceed \$2,108,799, to complete 60% Preliminary Engineering Plans, Specifications, and Estimates (PS&E) for the planned NE 15th Street roadway improvements between 116th Avenue NE and 120th Avenue NE (CIP Plan No. PW-R 172) and improvements between 120th Avenue NE and 124th Avenue NE, (CIP Plan No. PW-R-173).

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City Manager or his designee is hereby authorized to execute a professional engineering services contract with HDR Engineering, Inc., in an amount not to exceed \$2,108,799, to complete 60% Preliminary Engineering Plans, Specifications, and Estimates (PS&E) for the planned NE 15th Street roadway improvements between 116th Avenue NE and 120th Avenue NE (CIP Plan No. PW-R-172), and improvements between 120th Avenue NE and 124th Avenue NE, (CIP Plan No. PW-R-173), a copy of which agreement has been given Clerk's Receiving No. _____.

Passed by the City Council this _____ day of _____, 2013, and signed in authentication of its passage this _____ day of _____, 2013.

(SEAL)

Conrad Lee, Mayor

Attest:

Myrna L. Basich, City Clerk