

**CITY COUNCIL AGENDA ITEM**  
CITY OF SHORELINE, WASHINGTON

**AGENDA TITLE:** Authorize the City Manager to Execute a Contract with HDR Engineering, Inc. for Construction Management and Engineering Services for the Construction of the Aurora Corridor Improvement Project (N 185th–N 192nd Streets), and to Complete the Design for the Aurora Corridor Improvement Project (N 192<sup>nd</sup> – N 205<sup>th</sup> Streets)

**DEPARTMENT:** Public Works

**PRESENTED BY:** Mark Relph, Public Works Director  
Kirk McKinley, Transportation Services Manager  
John Vicente, Capital Projects Manager

**PROBLEM/ISSUE STATEMENT:**

Staff is requesting that Council authorize the City Manager to Execute a Contract with HDR Engineering, Inc. (HDR) for Construction Management and Engineering Services for the construction of the Aurora Corridor Improvement Project (N 185th–N 192nd Streets) in the amount of \$1,170,300, and to complete the design for the Aurora Corridor Improvement Project (N 192<sup>nd</sup> – N 205<sup>th</sup> Streets) in the amount of \$3,500,000.

The Aurora Corridor Improvement (N. 185<sup>th</sup> to N 192<sup>nd</sup> Street) design is complete and construction is expected to begin on this project this summer. HDR is being retained to provide engineering services during construction and lead construction management services (through a subconsultant, KBA) for this segment.

This HDR Construction Management/Engineering Services during construction contract for the N 185<sup>th</sup> to N 192<sup>nd</sup> segment is to provide:

- Construction inspection
- Material testing
- Contractor payment review
- Submittal review
- Engineer design changes
- Design clarifications
- Coordination with contractor
- Facilitate meetings with contractor, utilities, and City staff
- Communication with the business owners and the public

Thirty percent (30%) design plans have been completed by HDR for the N 192<sup>nd</sup> to N 205<sup>th</sup> Streets segment, and additional contract authority is required to complete the design of this segment. HDR is being retained to continue the design of this segment.

This HDR design contract for the N 192<sup>nd</sup> to N 205<sup>th</sup> segment is to provide:

- Electrical/telecommunication underground design
- Field survey
- Waterline design as necessary
- Right-of-way acquisition support services
- Typical street design services including: illumination, signal improvements, channelization, signage, pole bases, walls, curb/gutter/sidewalk, conventional stormwater systems, walls
- Landscape and urban design
- Design of natural stormwater system elements
- Geotechnical services including borings and potholes for subsurface condition and utility location verification
- Permit assistance and traffic control plan development

HDR was selected through a competitive formal process and requests for qualifications were advertised in April 2007. Selected consultants were interviewed to provide engineering services for the N 165<sup>th</sup>–N 205<sup>th</sup>. Engineering services for the N 185<sup>th</sup>–N 205<sup>th</sup> segment were also included in the advertisement and request for qualifications

#### **SCHEDULE:**

Right-of-way is currently being acquired for the N 185<sup>th</sup> to N 192<sup>nd</sup> Street segment. City Staff are currently negotiating a Possession and Use agreement with two parcels; it is anticipated that all other right-of-way needs will be secured from the remaining parcels this July. The construction management outreach team, EnviroIssues, will initiate the personal business owner pre-construction surveys once the project is advertised. Staff anticipates advertising the Call for Bids for this segment in August (pending right-of-way acquisition) and construction is expected to begin in October 2010. The construction of this segment is anticipated to be complete the summer of 2011 (weather permitting).

Design for the N 192<sup>nd</sup> to N 205<sup>th</sup> segment will begin this summer. During the summer and fall of this year, staff will begin communications with property owners about the last segment of Aurora design/construction. After this initial communication process is completed, right-of-way appraisals, negotiations and acquisition will begin. Universal Field Services will be providing right-of-way acquisition services for this segment. Approval for their contract will be discussed in a separate staff report on today's agenda.

Currently, there is insufficient funding to complete design, right-of-way acquisition and construction of the N 192<sup>nd</sup> to N 205<sup>th</sup> segment. Completion of design, right-of-way acquisition and construction will be pending available funding. Pending funding, final design and right-of-way acquisition on the N 192<sup>nd</sup> to N 205<sup>th</sup> Street segment is anticipated to be completed summer 2012.

The initial contract for the N 192<sup>nd</sup> to N 205<sup>th</sup> segment design will include design up to 60% completion only. Once additional funding is secured, an amendment to HDR's contract will be done to include final design and completion of the bid documents.

Below is a table showing current projection for the entire N 165th to N 205th segment of Aurora.

Segment	Phase	Schedule
N 165th to N 185th	Advertisement	October 5, 2009
	Council Award	November 16, 2009
	Construction	January 2010 – Spring 2011
N 185th to N 192nd	Design	August 2009 – June 2010
	Right-of-Way <sup>1</sup>	November 2009 – July 2010
	Advertisement <sup>1</sup>	August 2010
	Construction <sup>1</sup>	October 2010 – Summer 2011
N 192nd to N 205th	Design, 60% complete	July 2010 – December 2010
	Right-of-Way <sup>1</sup>	Winter 2011 – Spring 2012
	Design, complete <sup>1</sup>	Winter 2012 – Spring 2012
	Construction <sup>1</sup>	Summer 2012 – Fall 2013

1. This date is pending right of way acquisition.

2. These phases are not fully funded at this time. The schedule for these phases is pending available funding.

#### **FINANCIAL IMPACT:**

The N 185<sup>th</sup> – N 192<sup>nd</sup> Streets segment is fully funded. The N 192<sup>nd</sup> – N 205<sup>th</sup> Streets segment is not fully funded at this time. There are sufficient funds to complete the 60% level design and to negotiate and acquire a portion of the needed Right of Way. Additional funding is still required to complete design, right-of-way acquisition and construction. There are currently \$5,528,000 in grant funding for right-of-way acquisition for the N 192<sup>nd</sup> to N 205<sup>th</sup> Streets segment. This will provide staff the option to begin negotiations and some acquisitions on properties that are felt to be more difficult to acquire. Staff are actively seeking additional funding for the N 192<sup>nd</sup> – N 205<sup>th</sup> Streets segment. Below is a breakdown on the funding for the entire N 165<sup>th</sup> – N 205<sup>th</sup> Streets segment.

### Fully Funded Segments

Segment	Phase	Estimated Cost
N 165th–N 185th	Project Administration/Design	\$10,915,000
	Right-of-Way	\$12,742,000
	Construction	\$19,272,000
	Contingency <sup>1</sup>	\$2,221,000
Subtotal		\$45,150,000
N 185th–N 192nd	Project Administration/Design	\$5,184,000
	Right-of-Way	\$753,000
	Construction	\$8,632,000
	Contingency	\$984,000
Subtotal		\$15,553,000

1. Contingency includes \$1,900,000 for construction and \$320,000 for construction management and \$500,000 for right of way.

### Partially Funded Segment

Segment	Phase	Funding Secured	Funding Needed	Total Estimated Cost
N 192nd–N 205th	Project Administration/Design	\$1,743,000	\$4,010,000	\$5,753,000
	Right-of-Way	\$5,528,000	\$8,057,000	\$13,585,000
	Construction	\$0.00	\$13,398,000	\$13,398,000
	Contingency	\$0.00	\$5,718,000	\$5,718,000
	Utility Design/Const/Contingency	\$6,533,000	\$0.00	\$6,533,000
Subtotal		\$13,804,000	\$31,183,000	\$44,987,000

<b>Total Cost N 165th–N 205th</b>	<b>\$105,690,000</b>
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### RECOMMENDATION

Staff recommends that Council authorize the City Manager to Execute a Contract with HDR Engineering, Inc. (HDR) for Construction Management and Engineering Services for the construction of the Aurora Corridor Improvement Project (N 185th–N 192nd Streets) in the amount of \$1,170,300, plus a 10% contingency and to complete the design for the Aurora Corridor Improvement Project (N 192<sup>nd</sup> – N 205<sup>th</sup> Streets) in the amount of \$3,500,000 plus a 10% contingency.

Approved By: City Manager  City Attorney \_\_\_\_\_