

CITY COUNCIL AGENDA ITEM
CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	HDR Engineering, Inc. Contract Amendment
DEPARTMENT:	Public Works
PRESENTED BY:	Kirk McKinley, Transportation Services Manager Kris Overleese, Capital Projects Manager

PROBLEM/ISSUE STATEMENT:

The Aurora Corridor Project (N 165th to N 185th Street) design is nearing completion, and right-of-way certification is anticipated to be complete by the end of July 2009. Per the City of Shoreline and Seattle City Light (SCL) franchise agreement, SCL is to underground the overhead power lines within the Aurora Corridor Project limits. The two agencies created an additional design and construction agreement to set norms and expectations for working towards design and construction of the N 165th - N 185th Street segment. SCL chose to have the City's consultant, HDR, design their infrastructure/undergrounding improvements. The agreement with SCL states they will reimburse the City of Shoreline for design and project management costs and for future construction-related costs.

When the HDR design agreement was drafted, HDR had reviewed the SCL underground design plans from the N 145th to N 165th Streets segment (first mile). Based on this review and the recent completion of the first mile, it was presumed by the project team that a similar level of design and coordination would be sufficient. The level of effort budgeted for SCL design within the HDR original contract was \$122,000. In the first mile, 35 plan sheets were developed for SCL undergrounding work.

However, design coordination with SCL has not proceeded as rapidly and smoothly as the first mile. SCL assigned a new project manager and design reviewer, which impacted efficiencies. The level of coordination to design this current segment for SCL has been much more than planned or expected. Additionally, the standard of design and level of detail that have been required by SCL during this segment far exceeded the design work acceptable on the first mile. For this mile, the project is now at 135 plan sheets, which is 100 more than the N 145th to N 165th Street segment. Per SCL's insistence, the plans were modified twice at the 60% milestone, and this resulted in out-of-sequence review with all other stakeholders. In addition, SCL did not assign a lighting representative to review the plans until 90% and this resulted in significant design changes that are not typical at 90%. To ensure SCL and the City team remained coordinated, additional meetings with SCL have been required on a weekly basis since February 2009.

To cover the additional costs for SCL coordination and design, staff requests an HDR agreement amendment in the amount of \$335,000 to expend, which will then be reimbursed by SCL for this cost. The total SCL design costs would then total \$457,000.

In addition to the original contract amount of \$50,000, Council has authorized \$4,465,000.00 for HDR design work (final design of the N 165th to N 185th Street segment and 30% design on the N 185th to N 205th Street) segment. Council has also authorized \$473,000 in contingency (\$420,000 general contingency and \$53,000 SPU contingency). To date, \$319,000 of the general contingency has been utilized for:

- ❖ geotechnical analysis to support the purchase of the Langeberg property (\$67,000).
- ❖ additional survey of the third mile for the 30% design due to severe topography (\$79,000).
- ❖ artist coordination; additional design work on Midvale; late design changes required by the Washington State Department of Transportation; additional property survey for right-of-way acquisition and drafting of many additional Seattle City Light diagrams and legal descriptions for right-of-way acquisition; and different stormwater design standards for the third mile due to stormwater manual changes (total \$173,000).

The \$101,000 general contingency remaining is not enough to cover the estimated \$335,000 costs for extra design of the SCL undergrounding infrastructure. Nor does staff want to exhaust the remaining contingency for costs for which SCL will reimburse us. Please note that with a total design cost of \$457,000, costs for design are just under 10% of the estimated underground construction cost of \$4,750,000. This percentage is within acceptable industry standards for design cost of complicated underground systems.

Please see Attachment A for a budget summary of the Aurora N 165th – N 205th Street Project. Please note that this budget includes utility costs, which are also estimates and will be reimbursed by utilities.

RECOMMENDATION

Staff recommends that Council authorize the City Manager to amend the design contract with HDR Engineering, Inc. by \$335,000, to complete design work for Seattle City Light on the Aurora Corridor - N 165th to N 185th Street Segment.

Approved By:

City Manager

City Attorney _____

Attachment A – Aurora Corridor Improvement Project Budget Summary – HDR Amendment

Aurora Corridor Improvement Project Budget Summary - HDR Amendment

Attachment A

	N 165 Street - N 185th Street			N. 185th Street - N. 205th Street			Total N 165th to N 205th Street	
	Budget	Actual to Date	Projection Expenditures	Budget	Actual to Date	Projection Expenditures	Total Budget	Total Projected
		12/31/2008			12/31/2008			
PROJECT ADMINISTRATION								
HDR Engineering - SCL Amendment	\$335,000		\$335,000				\$335,000	\$335,000
Subtotal	\$7,812,020	\$3,874,074	\$7,170,449	\$6,437,020	\$1,247,661	\$6,274,974	\$14,249,040	\$13,445,423
REAL ESTATE ACQUISITION								\$0
Subtotal	\$10,140,780	\$722,176	\$11,941,154	\$6,290,991	\$168,408	\$6,290,991	\$16,431,771	\$18,232,145
CONSTRUCTION								\$0
Subtotal	\$28,089,500	\$0	\$26,735,772	\$34,451,500	\$0	\$31,528,162	\$62,541,000	\$58,263,934
CONTINGENCY	\$4,246,493		\$4,441,418	\$7,902,089		\$10,987,472	\$12,148,582	\$15,428,891
Subtotal	\$4,246,493	\$0	\$4,441,418	\$7,902,089	\$0	\$10,987,472	\$12,148,582	\$15,428,891
EXPENDITURES TOTALS	\$50,288,793	\$4,596,250	\$50,288,793	\$55,081,599	\$1,416,069	\$55,081,599	\$105,370,393	\$105,370,393

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