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**APPENDIX H**

Cost Estimate and Project Schedule

**LDWG (King County) ENR/Activated Carbon Pilot Study  
AACE Class 3 Estimate (Pre-Design)**

Date: September 16, 2015

Prepared by Dalton, Olmsted, & Fuglevand, Inc.

Item No.	Description of Item	QTY	UOM	Unit Price	Extended Price
1	Submittals	1	LS	\$27,000	\$27,000
2	Mobilization	1	LS	\$391,900	\$391,900
3	Test Placement	2	Day	\$27,000	\$54,000
4	Material Procurement, Mixing, and Transport	1	LS	\$859,600	\$859,600
5	Placement of Material	36	Day	\$25,970	\$934,920
6	Demobilization	1	LS	\$222,500	\$222,500
Base Bid Subtotal					\$2,489,920
Base Bid Total + 9.5% (WSST)					\$2,726,600
Contingency (20%) + 9.5% (WSST)					\$545,300
Total Construction Cost with Contingency + 9.5% (WSST)					\$3,271,900

**Monitoring**

	Monitoring (Baseline, Year 0 - 3 Events)	1	LS	TBD	TBD
Monitoring Total					TBD

LDWG - Lower Duwamish Waterway Group

ENR - Enhanced Natural Recovery

AACE - Association for the Advancement of Cost Engineering

QTY - Quantity

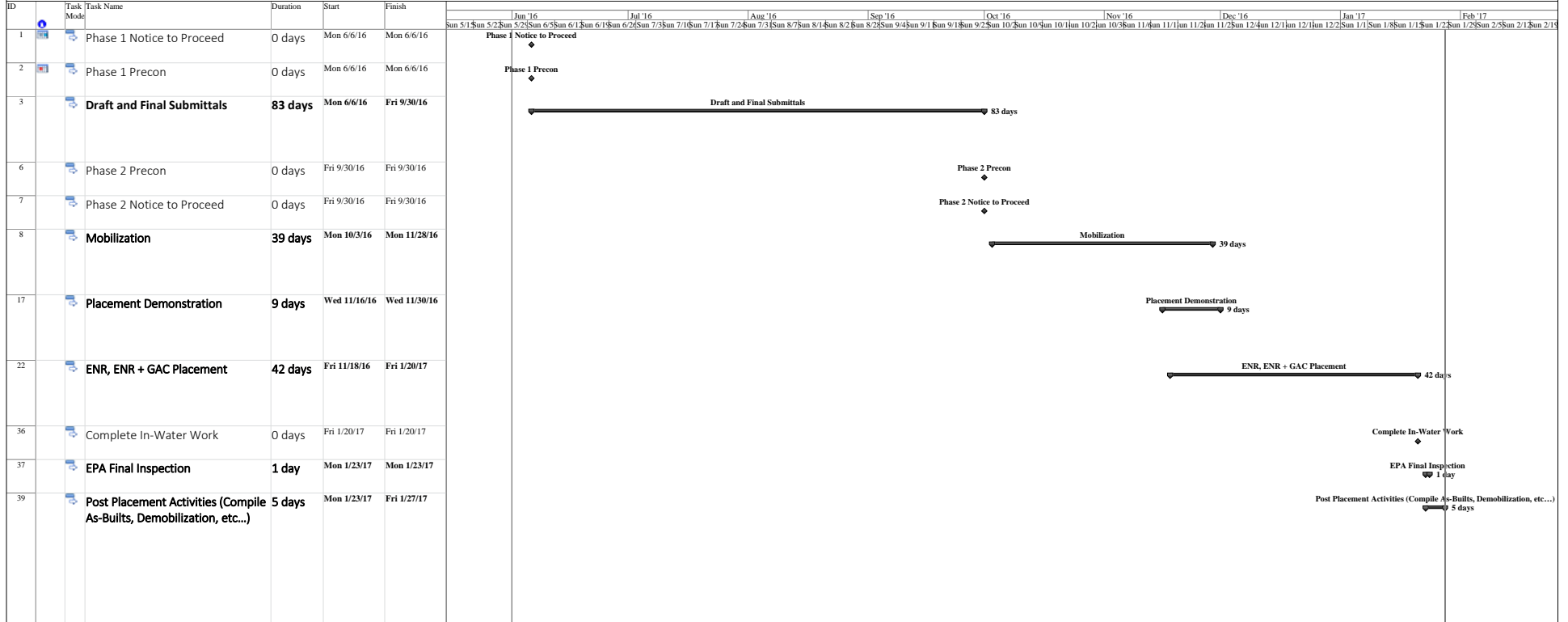
UOM - Unit of Measure

LS - Lump Sum

WSST - Washington State Sales Tax

TBD - To Be Determined

King County ENR + AC Pilot Study (Engineer's Estimate of Construction Schedule)



Notes:

- 1) Durations shown in schedule are represented in work days. Phases 1 and 2 are each 120 calendar days in duration.
- 2) In-water work to occur during the scheduled in-water work window for fish protection and also to avoid tribal fishing. Anticipated in-in-water work to be between November 29th and January 20th.

Revision Date: 10/09/2015	<ul style="list-style-type: none"> <li>Task</li> <li>Split</li> <li>Milestone</li> </ul>	<ul style="list-style-type: none"> <li>Summary</li> <li>Project Summary</li> <li>External Tasks</li> </ul>	<ul style="list-style-type: none"> <li>External Milestone</li> <li>Inactive Task</li> <li>Inactive Milestone</li> </ul>	<ul style="list-style-type: none"> <li>Inactive Summary</li> <li>Manual Task</li> <li>Duration-only</li> </ul>	<ul style="list-style-type: none"> <li>Manual Summary Rollup</li> <li>Manual Summary</li> <li>Start-only</li> </ul>	<ul style="list-style-type: none"> <li>Finish-only</li> <li>Deadline</li> <li>Critical</li> </ul>	<ul style="list-style-type: none"> <li>Critical Split</li> <li>Progress</li> </ul>
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