

TECHNICAL MEMORANDUM

June 27, 2014

To:	Ms. Patricia Cosgrove White River Valley Museum
From:	Emmett Pritchard, Raedeke Associates, Inc.
RE:	Mary Olson Farm Bridge Environmental Permits RAI Project No. 2014-022-001

Per your request, this technical memorandum reviews federal, state, and City of Auburn environmental permits that may be required for construction of a proposed bridge to be used by the Mary Olson Farm in the location of an historic bridge crossing of Olson Creek. This memo lists permits that are likely to be required for four bridge construction and road location options. This memo relies on findings presented in our report titled, "Wetland Delineation Report for the Mary Olson Farm Bridge Reconstruction" dated May 31, 2014.

OPTION 1

Bridge spans the stream to access the cattle enclosure on the south side of the creek. No placement of bridge footings or other impacts below the OHWM. No filling or other direct impacts to wetlands south of the creek.

Likely permits needed:

- Hydraulic Project Approval from the Washington Department of Fish and Wildlife;
- SEPA threshold determination;
- Hearing examiner approval;
- One other permit that may be required is a Shoreline Substantial Development Permit issued by the City of Auburn Shoreline Administrator. Even though the location of the bridge appears to be outside the 200-foot shoreline zone of the Green River, wetlands that are contiguous or hydraulically connected to the Green River come under Shoreline Management jurisdiction. Due to the proximity of proposed bridge location to the Green River and hydraulic connection of the creek to the river, the City may assert its jurisdiction over Wetland 1 which lies within the OHWM of the creek.

OPTION 2

Bridge crosses the stream using piers located within the stream channel to access the cattle enclosure on the south side of the creek.

Likely permits needed:

- Federal Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers (COE). This will require documents assessing impacts and mitigation to stream resources, impacts to federally protected fish and wildlife species, and impacts to cultural and historic resources;
- Federal Clean Water Act Section 401 water quality certification and coastal zone consistency response from the Washington Department of Ecology (WDOE);
- Hydraulic Project Approval from the Washington Department of Fish and Wildlife;
- Shoreline Substantial Development Permit issued by the City of Auburn Shoreline Administrator;
- SEPA threshold determination;
- Hearing examiner approval.

OPTION 3

Any configurations of the bridge described above plus re-construction of the road approach to the base of the slope. This would require direct impacts to delineated Wetland 2 located east of cattle enclosure.

Likely permits needed:
Same permits as Option 2

OPTION 4

Any configuration of the bridge described above plus construction of a boardwalk trail to the base of the slope. Although this would require direct impacts to Wetland 2, impacts would be minimized and thus more likely to be permitted by all reviewing agencies. In addition, this would have the added benefit of substantially reducing the amount and cost of mitigation that would be required for the project.

Likely permits needed:
Same permits as Option 2

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LIMITATIONS

We have prepared this report for the exclusive use of the White River Valley Museum and its consultants. No other person or agency may rely upon the information, analysis, or conclusions contained herein without permission from the White River Valley Museum.

The determination of ecological system classifications, functions, values, and boundaries is an inexact science, and different individuals and agencies may reach different conclusions. With regard to wetlands, the final determination of their boundaries for regulatory purposes is the responsibility of the various agencies that regulate development activities in wetlands. We cannot guarantee the outcome of such determinations. Therefore, the conclusions of this report should be reviewed by the appropriate regulatory agencies.

We warrant that the work performed conforms to standards generally accepted in our field, and prepared substantially in accordance with then-current technical guidelines and criteria. The conclusions of this report represent the results of our analysis of the information provided by the project proponent and their consultants, together with information gathered in the course of the study. No other warranty, expressed or implied, is made.

Thank you for the opportunity to prepare this material for you. If you have any questions about this information, please call me at (206) 525-8122.

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