Hydraulic Maintenance Requirements Regarding Licensed Professionals:

MAINTENANCE REPAIR DRAWINGS, PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, OR CALCULATIONS REQUIRE A LICENSED PROFESSIONAL FOR THE FOLLOWING:

- SPCC (Spill Prevention Control and Countermeasures Plans), flood studies, hydraulic, and storm water reports
- Stream modification structures
- Modification of storm water control features
- Structural design of culverts, and arches including headwalls, wing walls, vaults, and other man-made items
- Culvert replacement where fish passage is a concern
- In-stream channel modifications
- Stream bank construction or reconstruction that is beyond a repair or intended to increase the footprint of armoring
- Culvert replacement with a diameter or width greater than 4 feet
- Pipe replacement with a trench deeper than 5 feet without either a pre-engineered trench protective system or a back slope of 1V:1 ½ H or flatter unless a sloping design can be applied using tabulated data such as tables and charts pre-approved by an engineer that includes criteria to enable the user to make a selection and know the limits of the data
- Pipe replacement requiring a trench 20 feet deep or greater
- Construction or replacement of a tide gate

THE FOLLOWING MINOR REPAIR PROJECTS ARE EXAMPLES OF WHEN A LICENSED PROFESSIONAL IS NOT REQUIRED:

- Maintenance repairs to drainage facilities to ensure that the facility achieves its designed performance and intent.
- Replace an existing culvert if all of the following criteria are met:
    - Non-fish bearing waterway
    - 4 feet or less diameter or width
    - Excavation requires a trench with a depth less than 20 feet deep
    - Replacement culvert has existing flow capacity
    - The replacement purpose is for maintenance reasons. A change in conditions is not causing the need for replacement
    - [1]Replacement materials are chosen to match existing materials
    - Material backfill that is removed shall be replaced in accordance with the Oregon Standard Specifications for Construction
- Ditch maintenance

Definitions:

1 - If corrosion or abrasion has caused deterioration of a pipe prior to its expected design life (25-50 years: see table 5-3 ODOT Hydraulics Manual) it is recommended to consult an engineer for alternative pipe materials.

Decision Meeting Attendees: Decision Meeting Date: 12/07/2012

Luci Moore, State Maintenance & Operations Engineer
Joe Squire, District 4 Manager

Ace Clark, Assistant District 12 Manager
Paul Wirfs, Engineering & Asset Management Unit Manager

Note:

This was shared with and accepted by the Geo/Hydro Leadership Team during their meeting on February 5, 2013.