**Revision Of Section 624**

**Detour Drainage Pipe**

**Revise Section 624 of the Standard Specifications and Supplemental Specifications for this project as follows:**

# Subsection 624.03 shall include the following:

The Contractor shall construct, maintain and remove detour drainage pipe. The pipes may be new or used and shall remain the property of the Contractor.

The minimum size and number of pipes shall not be less than that shown in the attached tables for the period that the detour will be in use. The Contractor may install pipes of different shapes which have equivalent flow capacity to the tabulated required culvert size. The maximum size of pipe that the detour design will accommodate will be shown on the plans. If the Contractor elects to install larger pipe, or an equivalent capacity substitution, an alternative detour drainage pipe design shall be submitted in writing to the Engineer. Construction of the alternative design shall not commence until it has been approved in writing by the Engineer.

# Subsection 624.04 shall include the following:

Detour drainage pipe will not be measured.

# Subsection 624.05 shall include the following:

The completed and accepted work for detour drainage pipe will be paid for at the contract price per lump sum or linear foot appearing in the bid schedule.

Payment will be made under:

| Pay Item | Pay Unit |
| --- | --- |
| Detour Drainage Pipe (Class 0)  | Lump Sum |
| Detour Drainage Pipe (Class 0)  | Linear Foot |

Structure Excavation and Structure Backfill for detour drainage pipe will not be measured and paid for separately but shall be included in the work.

If the Contractor elects to construct an approved alternative detour drainage pipe design, all additional costs shall be borne by the Contractor, and all pay quantities for construction and removal of the detour drainage pipe shall be the quantities shown on the plans.

The following tabulation of the detour drainage pipe size required for each month is for station ♦. The requirements are based on a ▲ percent chance that the actual headwater will exceed the allowable headwater during the total period of detour pipe usage. For the total period of detour pipe usage, the largest culvert size required for any detour month that falls within this given period shall be used.

| **DETOUR MONTH** | **ESTIMATED PEAK FLOW****m3/s (CFS)♥** | **REQUIRED PIPE SIZE mm (inches)♥** |
| --- | --- | --- |
| **January** |  |  |
| **February** |  |  |
| **March** |  |  |
| **April** |  |  |
| **May** |  |  |
| **June** |  |  |
| **July** |  |  |
| **August** |  |  |
| **September** |  |  |
| **October** |  |  |
| **November** |  |  |
| **December** |  |  |

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**Instruction To Designers** (Delete instructions and symbol from final draft):

♦ Insert station number

▲ Insert the percentage used

♥Except for consultant designed projects, the estimated peak flows and pipe sizes should be obtained from the Hydraulics Unit and inserted.