

**Piasecik, Anna (MTO)**

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**To:** Regan, Dennis (MTO)  
**Cc:** Kim, Tae-C (MTO); Fediw, Tony (MTO)  
**Subject:** RE: WP 476-89-00, Hwy 401

Dennis,

The foundation investigation and design reports for the Dingman Creek culvert (Geocres Nos. 40114-30, 40114-59 and 40114-121) and for the Wellington Road underpass structure (Geocres Nos. 40114-74 and 40114-122) are available in our Downsview office. The subsurface information collected at the time of the investigations and presented in the noted above reports are still relevant for preliminary design of the widening of these structures.

However, we have no record of any foundation investigations carried out in the vicinity of the proposed structure at the interchange of Highway 401 and Wonderland Road. Based on the existing subsurface information and geological information in the general area of the site, the subsoils likely consist of surficial fill overlying silty clay to clayey silt deposit extending to significant depths. Interlayers of sands and silts were encountered within the cohesive deposit at various locations. We consider that the foundation investigation will be required at this site and that one borehole put down on each side of Highway 401 will provide sufficient information for the preliminary design of the Highway 401 and Wonderland Road interchange structure. Based on the results of these boreholes, an assessment of the foundation options and general comments on the anticipated construction problems can be provided. It is estimated, that the cost of the preliminary foundation investigation and report preparation will be in a range of \$10,000.

For detailed design of the Dingman Creek culvert and Wellington Road underpass widening and the Wonderland Road/Highway 401 interchange structure construction, the foundation investigation will be required to determine subsurface conditions at each foundation unit.

I hope that this is sufficient for your immediate requirements. Please call if you wish to discuss any item.

Regards,  
Anna

PS. I would like to introduce myself. I have recently joined the Pavements and Foundations Section and been appointed to the position of a Foundation Engineer. In my new role, I'm working with Tae Kim, Senior Foundations Engineer, providing day-to-day foundations support activities for both Northwest and Southwest Regions. I can be reached at 416-235-4334 and looking forward to working with you on various projects.  
anna

-----Original Message-----

**From:** Kim, Tae-C (MTO)  
**Sent:** Monday, April 17, 2000 11:00 AM  
**To:** Piasecik, Anna (MTO)  
**Subject:** FW: WP 476-89-00 Hwy 401

-----Original Message-----

**From:** Regan, Dennis (MTO)  
**Sent:** Thursday, April 13, 2000 10:09 AM  
**To:** Kim, Tae-C (MTO)  
**Cc:** Fediw, Tony (MTO)  
**Subject:** WP 476-89-00 Hwy 401

Tae,

The above project has been resurrected and I am currently preparing the one-month notice on it. A foundation investigation and subsequent reports were prepared in April 93 for site 19-367 (Dingman Creek) and Jan 94 for site 19-369 (Wellington Road Underpass). Is it safe to assume that the information collected at the time is still current?

As part of this assignment, we are now including, at the request of the City of London, alternatives for a new interchange at Hwy 401 and Wonderland Road. (There is nothing there now, as Wonderland terminates either side of the right of way). This includes all environmental approvals, property request, and a technically preferred interchange design. What I need is a price for the preliminary design consultant to do a foundation investigation at this new location or do we have enough information from the area to determine the foundation info? Any guidance you could provide would be appreciated.

Thanks....Dennis