

| VIVANEXT ACTIVITIES – BUS RAPID TRANSIT RAPIDWAYS |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Work Program                                      | Tasks                                                                                                                                                                                                                                           | Activities during September 2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Program Management                                | <ul style="list-style-type: none"> <li>• Program and project management</li> <li>• Project controls and administration</li> </ul>                                                                                                               | <ul style="list-style-type: none"> <li>• Provided senior management support to YRRTC.</li> <li>• Maintained and updated project work schedules.</li> <li>• Maintained cost control, accounting and document management.</li> <li>• Addressed contingency task requirements.</li> <li>• Commenced planning and preparatory work for the office relocation, including attending meetings with York Region property services and IT staff.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Transportation Planning                           | <ul style="list-style-type: none"> <li>• Perform Transit Technology and Capacity Assessment</li> <li>• Prepare Network Implementation Options Report</li> </ul>                                                                                 | <ul style="list-style-type: none"> <li>• Continued working with the Owner's Engineer towards reaching a consensus on the 2021 forecasts.</li> <li>• Continued to work on providing additional data for Metrolinx to define the contents of the Network Implementation Options Report.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Communications                                    | <ul style="list-style-type: none"> <li>• Assist YRRTC with developing and implementing the Communications Plan</li> <li>• Provide support to media releases, website updates and newspaper articles</li> <li>• Develop presentations</li> </ul> | <ul style="list-style-type: none"> <li>• Continued update of Y2H3 schedule of communication activities in the context of the overall vivaNext strategy.</li> <li>• Continued management and updates of the image, map and graph library.</li> <li>• Continued development of collateral material.</li> <li>• Continued website updates to vivayork.com.</li> <li>• Prepared presentations for Newmarket Chamber of Commerce and Markham Development Services Committee.</li> <li>• Commenced preparation of municipal update presentation in advance of the fall public consultation.</li> <li>• Updated presentation archive.</li> <li>• Continued additions / update to questions and response database.</li> <li>• Continued preparation for fall public consultation events.</li> <li>• Monitored vivayork.com "contact us" e-mails on a daily basis.</li> </ul> |
| Environmental Assessment Activities               | <ul style="list-style-type: none"> <li>• Complete the North Yonge Environmental Assessment</li> <li>• Provide advice regarding EA amendments and prepare documentation</li> <li>• Provide ongoing advice regarding EA issues</li> </ul>         | <p><b>North Yonge EA Study</b></p> <ul style="list-style-type: none"> <li>• Continued assembly of documentation of alignment evaluation and optimization and identification of mitigation requirements. Updated the PCC#4 report to reflect the details of the August 11, 2008 open house.</li> <li>• Revised the intersection spacing and station configurations on Green Lane to avoid impact on a creek crossing.</li> <li>• Shifted the alignment at Keith Bridge over the East Holland River to the south as per discussions between York Region, YRRTC and Town of Newmarket staff, and</li> </ul>                                                                                                                                                                                                                                                             |

| <b>VIVANEXT ACTIVITIES – BUS RAPID TRANSIT RAPIDWAYS</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Work Program</b>                                        | <b>Tasks</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Activities during September 2008</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>held a workshop to review the alignment issues with affected stakeholders.</p> <ul style="list-style-type: none"> <li>• Finalized effects assessment chapter incorporating York Region’s comments.</li> <li>• Provided support and material for on-going consultation with elected officials and stakeholders.</li> <li>• Provided support to York Region Property Services and YRRTC staff related to discussions with property owners along Davis Drive.</li> </ul> <p><b>EA Amendments</b></p> <ul style="list-style-type: none"> <li>• Participated in meetings with Regional Property Services and legal counsel regarding the implications of the revised Highway 7 cross-section to include cycle lanes and enhanced medians on the approved EA.</li> <li>• Prepared updated drawings showing a revised alignment on Warden Avenue to respond to comments from IBM on the Cedarland Alignment Modification Report (Town Centre Boulevard to Warden Avenue).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                      |
| Engineering and Facilities Activities – Y2 and H3 segments | <ul style="list-style-type: none"> <li>• Develop conceptual design alternatives for platforms, rapidways, terminals and stations</li> <li>• Prepare technical reports (design criteria, outline specifications, pavement reports, geotechnical reports, drainage reports, traffic/intelligent transportation systems).</li> <li>• Prepare preliminary engineering design drawings</li> <li>• Prepare Capital Cost Estimate and Risk Assessment</li> <li>• Identify utility relocations and property impacts</li> </ul> | <p><b>Design Criteria and Engineering Investigations</b></p> <ul style="list-style-type: none"> <li>• Completed an assessment and met with YRRTC and the OE to review the design of transitions between rapidway and mixed traffic sections.</li> <li>• Reviewed and addressed comments from the OE on the Y2 draft Pavement Design Report.</li> <li>• Prepared and submitted the draft Drainage Design Report for the western portion of H3, and continued preparation of the reports for the rest of H3 and Y2.</li> <li>• Submitted a draft work program for the risk assessment process.</li> </ul> <p><b>Utility Identification and Coordination</b></p> <ul style="list-style-type: none"> <li>• Held one-on-one follow up meetings with PowerStream, Telus, Enbridge and Bell to discuss existing and planned utilities, and potential conflicts.</li> <li>• Updated the summary of identified utility conflicts, prepared utility relocation plans.</li> </ul> <p><b>Road and Rapidway Design – Y2 Segment</b></p> <ul style="list-style-type: none"> <li>• Continued to refine the Y2 corridor layout depicting intersection and mid-block station layouts, medians, and other design features.</li> <li>• Reviewed alternatives for access to the Richmond Hill Centre Terminal.</li> <li>• Prepared and submitted the Constrained Areas Report.</li> </ul> |

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| <b>Work Program</b>                                                         | <b>Tasks</b>                                                                                                                                                                                                                                                                           | <b>Activities during September 2008</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                             |                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Completed the cross section study to identify grading limits and requirements for retaining walls.</li> <li>Continued developing preliminary engineering and construction staging plans.</li> </ul> <p><b>Road and Rapidway Design – H3 Segment</b></p> <ul style="list-style-type: none"> <li>Reviewed alternative designs for the Bayview Avenue Vivastation and submitted a technical memorandum.</li> <li>Reviewed rapidway configuration alternatives at Highway 404.</li> <li>Prepared and submitted the Constrained Areas Report.</li> <li>Prepared an updated plan showing a refined alignment for the rapidway alignment adjacent to Warden Avenue, to respond to comments provided by IBM on access requirements.</li> <li>Refined concepts for an integrated transportation mobility hub at the Unionville GO Station, in consultation with the Town of Markham, GO Transit and developers.</li> <li>Continued developing preliminary engineering and construction staging plans.</li> </ul> |
| Engineering and Facilities Activities – H2 segment                          | <ul style="list-style-type: none"> <li>Complete operational planning and pre-design reviews to confirm rapidway configuration.</li> <li>Develop options for integration with the Spadina Subway.</li> <li>Develop conceptual design alternatives for rapidways and stations</li> </ul> | <ul style="list-style-type: none"> <li>Commenced the preparation of the baseline study schedule.</li> <li>Compiled base plans from completed aerial photography and topographic surveys, and commenced adding information on existing/planned utilities.</li> <li>Refined the rapidway alignment and cross-section from the EA Report to incorporate cycle lanes and enhanced medians.</li> <li>Continued operational planning studies for rapidway sections on Highway 7, Jane Street and Centre Street including developing a simulation traffic model and determining Viva service requirements for the 2021 and 2031 horizon years.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                             |
| Engineering and Facilities Activities – Y3-D1-G1 segment                    | <ul style="list-style-type: none"> <li>Develop conceptual design alternatives for rapidways and stations</li> </ul>                                                                                                                                                                    | <ul style="list-style-type: none"> <li>Updated design criteria/standards for the corridor in anticipation of commencing concept design once the North Yonge EA is completed.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Engineering and Facilities Activities – Markham Centre (Enterprise) segment | <ul style="list-style-type: none"> <li>Develop conceptual design alternatives for rapidway, platforms and station</li> <li>Prepare preliminary</li> </ul>                                                                                                                              | <ul style="list-style-type: none"> <li>Liaised with the Town of Markham, their consultants and Remington Group to coordinate rapidway design plans, including lighting and landscaping, with the Markham Civic Mall.</li> <li>Completed all engineering studies including drainage design, pavement design, traffic operations and signals, utility relocations and PE drawings.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| <b>Work Program</b>                                                  | <b>Tasks</b>                                                                                                                                                                                                                                                                                   | <b>Activities during September 2008</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                      | <ul style="list-style-type: none"> <li>engineering drawings</li> <li>Integrate proposed rapidway design work with ongoing Markham Civic Mall planning and design activities</li> <li>Prepare Capital Cost Estimate and Risk Assessment</li> <li>Identify utility relocations</li> </ul>        | <ul style="list-style-type: none"> <li>Refined canopy and station architectural and structural design alternatives, platform arrangements and cost estimates, and prepared presentation materials for workshops held on September 9 and 16.</li> <li>Arranged for a scale mock-up of a station to demonstrate canopy details and platform arrangements.</li> <li>Arranged for simulation testing of the station design for wind driven rain and snow.</li> <li>Prepared capital cost budget estimates and updated schedules for each construction phase.</li> </ul> |
| Engineering and Facilities Activities – Cornell Terminal             | <ul style="list-style-type: none"> <li>Develop conceptual design alternatives for terminal, access and parking requirements</li> <li>Prepare Block Plan and Site Plan documents</li> <li>Prepare preliminary budget cost estimate</li> <li>Evaluate alternative delivery strategies</li> </ul> | <ul style="list-style-type: none"> <li>Refined master plan options incorporating TOD, terminal and commuter parking requirements, for review at a workshop with the developer on September 17.</li> <li>Prepared preliminary layout drawings and identified constraints for the curbside Vivastations at Galsworthy Road and Bur Oak Avenue, for discussion with Rapidco and the OE.</li> </ul>                                                                                                                                                                     |
| Engineering and Facilities Activities – Phase 1 Capital Enhancements | <ul style="list-style-type: none"> <li>Design of additional Phase 1 Vivastations</li> <li>Improvements to existing facilities</li> <li>Operational studies</li> </ul>                                                                                                                          | <p><b>Savage Road Vivastation</b></p> <ul style="list-style-type: none"> <li>Continued with engineering investigations, utility relocation strategies and preliminary engineering drawings.</li> </ul> <p><b>Transit Signal Priority Improvements</b></p> <ul style="list-style-type: none"> <li>Presented a database tool to be used in the analysis of the transit signal operations to York Region and YRT staff, and continued with analysis.</li> </ul>                                                                                                        |
| Other Ongoing Studies                                                | <ul style="list-style-type: none"> <li>Respond to YRRTC as requested.</li> </ul>                                                                                                                                                                                                               | <p><b>Park and Ride Strategy</b></p> <ul style="list-style-type: none"> <li>Further refined Network Demand Modeling.</li> <li>Met with YRRTC and the OE to present findings to date and discuss next steps.</li> <li>Prepared project update report for Rpaid Transit Steering Committee.</li> <li>Continued to support discussions with the Town of Markham and developer regarding park and ride requirements at the Cornell Terminal.</li> </ul>                                                                                                                 |

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| Work Program                                      | Tasks | Activities during September 2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                   |       | <b>Metrolinx AFP Support</b> <ul style="list-style-type: none"> <li>• Prepared estimates of operating costs per bus route for the 10 year capital program.</li> <li>• Prepared a breakdown of ITS cost estimates by segment.</li> <li>• Reconciled and clarified bus procurement requirements for the various horizon years.</li> <li>• Provided other assistance as required by YRRTC.</li> </ul>                                                                                                                                                                                                                          |
| 2008 Construction Program                         |       | <b>Richmond Hill Centre Pedestrian Bridge</b> <ul style="list-style-type: none"> <li>• Prepared for construction of an improved pedestrian cross-walk from the bridge to the terminal, to be completed in October 2008.</li> </ul><br><b>Jefferson Sideroad Vivastation</b> <ul style="list-style-type: none"> <li>• Commenced construction of curbside Vivastation including roadway widening, drainage improvements, northbound and southbound platforms, and full Phase 1 Viva shelters and fare equipment. Construction is anticipated to be completed and the station ready for operation in November 2008.</li> </ul> |