

VIVANEXT ACTIVITIES – BUS RAPID TRANSIT RAPIDWAYS		
Work Program	Tasks	Activities during November 2008
Program Management	• Program and project management • Project controls and administration	• Provided senior management support to YRRTC. • Maintained and updated project work schedules. • Maintained cost control, accounting and document management. • Addressed contingency task requirements. • Continued planning and preparatory work for the office relocation including attending status update meetings with YRRTC and development of YC2002 specifications report.
Transportation Planning	• Perform Transit Technology and Capacity Assessment • Prepare Network Implementation Options Report	• Completed and submitted a draft technical memorandum. • Continued discussions on the forecast basis with York Region. • Ran forecasts with alternatives for a new Centre Street vivastation. • Developed local networks for VISSIM.
Communications	• Assist YRRTC with developing and implementing the Communications Plan • Provide support to media releases, website updates and newspaper articles • Develop presentations	• Finalized preparations for the joint Yonge Subway Extension/H3 Public Consultation Centre on November 26, 2008 including display material, handouts and other printed material, and presentation material. • Developed and posted web copy for the November 2008 Public Consultation Centre on vivayork.com. • Optimized and saved all new printed materials for online usage. • Continued development of collateral material. • Continued website updates to vivayork.com. • Developed graphics, slides and animations for upcoming presentations. • Continued work on November/December Municipal Update Presentations. • Updated presentation archive. • Continued additions / update to questions and response database.

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Environmental Assessment Activities	• Complete the North Yonge Environmental Assessment • Provide advice regarding EA amendments and prepare documentation • Provide ongoing advice regarding EA issues	North Yonge EA Study • Updated the effects assessment chapter to address comments on the draft Environmental Study Report (ESR) from the pre-submission circulation to agencies. • Finalized the ESR for formal MOE submission in early December.
Engineering and Facilities Activities – Y2 and H3 segments	• Develop conceptual design alternatives for platforms, rapidways, terminals and stations • Prepare technical reports (design criteria, outline specifications, pavement reports, geotechnical reports, drainage reports, traffic/intelligent transportation systems). • Prepare preliminary engineering design drawings • Prepare Capital Cost Estimate and Risk Assessment • Identify utility relocations and property impacts	Design Criteria and Engineering Investigations • Completed and submitted the draft Design Basis Report for H3 and continued development of the Design Basis Report for Y2 for submission in January. • Reviewed comments provided by the Owners Engineer on the draft Drainage Report for the western section of H3 and commenced revisions, and commenced the drainage study for H3 from Town Centre Boulevard to Warden Avenue with input from the Town of Markham. • Held meetings with YRRTC, the OE and YRT to discuss the ITS strategy. • Refined station elements based on sloped station platforms and incorporated revisions to platform and canopy drawings. Utility Identification and Coordination • Continued adding utility information to plans as test pits are completed and information is received from each of the utilities. • Updated the summary of identified conflicts, proposed utility development and relocation plans, as received. • Obtained and reviewed cost estimates from each of the affected utilities for requested relocation work. Road and Rapidway Design – Y2 Segment • Continued developing the PE drawings incorporating findings from technical investigations. • Incorporated the findings of the rapidway transitions analysis. • Continued drainage system modifications based on initial Drainage Report findings.

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Engineering and Facilities Activities – Y2 and H3 segments (cont'd)		- Continued development of rapidway preliminary engineering drawings. - Met with Richmond Hill engineering staff to review project status and drawings. Road and Rapidway Design – H3 Segment - Investigated rapidway alternatives at Highway 404. - Finalized and submitted draft PE drawings for the section from Yonge Street to Town Centre Boulevard. - Refined preliminary design for the rapidway from Town Centre Boulevard to Warden Avenue to reflect ongoing consultation with IBM. - Provided updated concept drawings for the proposed mobility hub/terminal at the Unionville GO Station for a design charrette with Town of Markham, GO Transit, MTO and the developer's group. - Met with Richmond Hill engineering staff to review project status and drawings. - Began compiling outline specifications and staging drawings. - Organized and facilitated the first risk assessment workshop and prepared the updated risk registry. - Commenced the development of the capital cost budget estimate - Coordinated with the Communications Team on preparations for the November 26 Public Consultation Centre.
Engineering and Facilities Activities – H2 segment	- Complete operational planning and pre-design reviews to confirm rapidway configuration. - Develop options for integration with the Spadina Subway. Develop conceptual design alternatives for rapidways and stations	- Continued to add existing conditions to base mapping including drainage infrastructure and utility information, as it was received. - Held a meeting with YRRTC and the OE to review study area constraints and initial concept design alternatives. - Began to refine the alignment based on comments received at meeting. - Submitted the draft report Operational Planning Review – Highway 7, Bathurst to Yonge. - Continued operational planning studies for rapidway sections on Highway 7, Jane Street and Centre Street.

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Engineering and Facilities Activities – Y3-D1-G1 segment	Develop conceptual design alternatives for rapidways and stations	- Commenced concept design and collection of utility information for the Davis Drive (D1) corridor based on final plans and profiles included in the North Yonge EA. - Completed a high-level assessment of a potential new intersection on Yonge Street north of Eagle Street. - Received a Proposed Work Program for preliminary engineering of the Y3 corridor (Mulock Drive to Davis Drive) and the D1 corridor for preparation of a detailed technical and fee proposal.
Engineering and Facilities Activities – Markham Centre (Enterprise) segment	- Develop conceptual design alternatives for rapidway, platforms and station - Prepare preliminary engineering drawings - Integrate proposed rapidway design work with ongoing Markham Civic Mall planning and design activities - Prepare Capital Cost Estimate and Risk Assessment - Identify utility relocations	- Revised the Phase 1 Drainage Report to include the OE's comments and submitted the final report. - Completed the traffic operational review to establish signalization requirements. - Prepared and submitted updated capital cost estimates for the Phase 1 contract. - Commenced final design of the Phase 1 contract, including preparing and submitting Issued for Construction drawings for YRRTC/OE approval. - Attended meetings with the Town of Markham, their consultants and Remington regarding the commencement of design-build activities. - Refined structural design and station elements for the Vivastation and canopy based on comments from a full scale station mock-up held on October 31. - Initiated environmental reviews and testing for vivastation canopy design and incorporated initial findings. - Continued refinements to the Warden Vivastation design to address the “double-loading” condition. - Refined signage and fare equipment design based on ongoing discussions with YRRTC and the OE.
Engineering and Facilities Activities – Cornell Terminal	- Develop conceptual design alternatives for terminal, access and parking requirements - Prepare Block Plan and Site Plan documents - Prepare preliminary	Continued to refine Master Plan layouts options based on comments from YRRTC and the Developer in anticipation of workshops in January 2009.

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Engineering and Facilities Activities – Cornell Terminal (cont'd)	- budget cost estimate - Evaluate alternative delivery strategies	
Engineering and Facilities Activities – Phase 1 Capital Enhancements	- Design of additional Phase 1 Vivastations - Improvements to existing facilities - Operational studies	Savage Road Vivastation - Finalized preliminary engineering drawings for submission in early December. Transit Signal Priority Improvements - Continued with the analysis of transit signal priority alternatives including liaison with YRT and the York Region T&W. - Commenced preparation of a draft report.
Other Ongoing Studies	Respond to YRRTC as requested.	Park and Ride Strategy - Assisted YRRTC in finalizing a Steering Committee report for November 2008 on the recent progress and findings of the Park & Ride study. - Further refined demand modeling. - Continued with the site evaluation process. Metrolinx AFP Support - Continued to provide demand modelling, cost estimates and other assistance as requested by YRRTC.
2008 Construction Program		Jefferson Sideroad Vivastation - Completed construction and commissioning of the new Vivastation which commenced operation in November 2008. Enterprise (Markham Civic Mall) Segment Phase 1 - Finalized the procurement process and initiated design-build of the Phase 1 contract (drainage infrastructure), to be completed in December 2008. - Commenced discussions with YRRTC and the OE on procurement for the Phase 2 and 3 contracts.