



A Division of METROLINX

**Minutes of Meeting**  
**ARL- "Mid Aug Deliverables"**  
11:00 21 July 2011  
Executive Boardroom - 20 Bay Street

**Attendance:** Gary McNeil      Greg Percy      Kathy Haley      Daniel Haufschild  
Daryl Barnett      Remi Landry      Mike Wolczyk      Francis Hui  
Terry Cattani      Dan O'Donohue      Mike Napolitano      Trevor Anderson  
Bob Harford      Mel White      Bert Peverini

**Regrets:** Mike Cyr

**Other Distribution:** Geri Wice      Mel White      Grant Balie

| Overview                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Action                                                                                                                                     |
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| <ul style="list-style-type: none"> <li>The meeting's purpose was two fold               <ul style="list-style-type: none"> <li>provide an overview of ARL topics with decision time lines in late summer/early fall:                   <ul style="list-style-type: none"> <li>fleet sizing to exercise amendment for optional cars in mid Sept</li> <li>ridership updates in terms of GTA access fee negotiation for mid Aug and fleet sizing</li> <li>justification for doubling of the Airport Spur for mid Aug re design-build results</li> </ul> </li> <li>solicit feedback/direction re any additional effort needed before mid August</li> </ul> </li> <li>Note: ridership forecast data depicted in the presentation and discussed herein is preliminary, under review and may change. However, trends depicted in are not likely to change as the data is finalized.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>n/a</li> </ul>                                                                                      |
| <b>1) Base schedule and service plan update</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                            |
| <ul style="list-style-type: none"> <li>The 2009 ARL schedule and service plan parameters were updated to reflect vehicle specs and Spur geometry as they were know at the beginning of Jun 2011. Results:               <ul style="list-style-type: none"> <li>a 1" improvement in minimum run time (MRT) was measured between Union &amp; the Airport</li> <li>this is not sufficient to change the 25" base schedule that has been used for service design purposes, i.e. 25" = ~20" MRT + 1" Bloor stop + 1" Weston stop + ~3" of allowances.</li> <li>a minimum of 4 consists are required to provide a service consisting of                   <ul style="list-style-type: none"> <li>25" scheduled run Union to Airport,</li> <li>15" service frequency, and</li> <li>5" dwells at the Airport and Union termini.</li> </ul> </li> </ul> </li> <li>Spur geometry continues to be refined and vehicle specs are subject to field verification. The above results are not expected to change substantially as details are refined.</li> <li><b>Concurrence on:</b> <ul style="list-style-type: none"> <li><b>the above will for the base for ongoing schedule and service plan development</b></li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>n/a</li> </ul>                                                                                      |
| <b>2) Service Reliability</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                            |
| <ul style="list-style-type: none"> <li>A 4-consist service plan presents challenges in terms of operating reliability due to:               <ul style="list-style-type: none"> <li>short terminal dwells</li> <li>15" bidirectional service</li> <li>a mixed traffic corridor ( ARL, GO, VIA &amp; freight)</li> <li>AM and PM peaking patterns that are coincident with the commuter peaks</li> </ul> </li> <li>As was the case for SNC, GO staff recommends that a 5th consist be placed into active service to protect service reliability               <ul style="list-style-type: none"> <li>a 5th consist can be placed on "hot standby" and utilized on an as required basis to react to daily operating variations or it can be inserted into the active service cycle. Inserting it into active service promotes quicker response times to unplanned events, enables a 20" dwell at the Airport terminal and provides better crew management while retaining all other aspects of the base service plan. Overall it provides greater flexibility in reacting to day-to-day disruptions than a "hot Spare". Adding a 5<sup>th</sup> consist to the active service is pertinent to immediate fleet deployment, sizing and procurement.</li> <li>additionally, an "unscheduled" approach should be considered to further improve operating flexibility i.e. do not post public timetables and marketed the service using a "next train in 15 minutes" approach. Doing so would enable trains to depart early if needed thus allowing greater flexibility in reacting to unplanned events. Departing a station early is not possible under a scheduled operation.</li> </ul> </li> <li><b>Consensus on:</b> <ul style="list-style-type: none"> <li><b>including a 5<sup>th</sup> consist in the active service fleet</b></li> <li><b><u>considering use of an unscheduled approach, subject to gaining a better understanding of its customer impact and operational requirements</u></b></li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Rail Services and Planning further document merits of scheduled vs unscheduled operation</li> </ul> |
| <b>3) Peak Hour Capacity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                            |
| <ul style="list-style-type: none"> <li>Peak hour capacity = 520 seated passengers/hr/dir based on:               <ul style="list-style-type: none"> <li>the service plan described above. 2-car consists and 65 seats/car</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>n/a</li> </ul>                                                                                      |