

# TECHNICAL MEMORANDUM

**TO:** Lisa Walls, A/Manager, Pollution Prevention and Assessment Section

**DATE:** September 21, 2007

**FROM:** Malcolm Smith, Environmental Manager, South Fraser Perimeter Road Project

**RE:** Ministry of Transportation Responses to Environment Canada Comments on South Fraser Perimeter Road

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In considering refinements to the alignment on the west side of Burns Bog, analysis undertaken by MoT indicates that a further shift (i.e., to the west side of Crescent Slough) would not eliminate impacts to areas of concern to EC, associated with the original alignment, while at the same time increasing impacts to other values as follows:

- Increase the area and intensity of zone of influence effects on wildlife habitat (i.e., Sandhill Crane, Trumpeter Swan and water associated birds) provided by agricultural fields.
- Potential increases in collision mortality to Barn owls associated bisecting remaining foraging habitat (to the east of Crescent Slough);
- Impacts to fisheries values (where none currently exist) associated with two crossings of Crescent Slough; and
- In order to minimize impacts to agricultural values the alignment will still be required cross, and impact, some ecological values associated with the Corporation of Delta lands north of the Nottingham property.

It is noted that the proposed relocation does have cost (est. \$20 million) and other social, economic and community effects which are also a critical part of the