



Transportation Committee

Report CR_3316

Valley Line LRT (Northwest)

Objective

To discuss the potential for grade separations on the Valley and Metro LRT line. Intersection locations include:

- 178 Street / 87 Avenue (Valley Line)
- 149 Street / Stony Plain Road (Valley Line)
- 137 Avenue / Castle Downs Road (Metro Line)

178 Street (Valley Line)

Previously considered for grade separation by
Transportation Committee:

- Elevated guideway at 178 Street and 87 Avenue
- Conceptual cost \$50 Million (2013 dollars)
- Additional impacts include land acquisition, noise, community impacts

149 Street (Valley Line)

Previously considered by Transportation Committee:

- Tunnel under Stony Plain road between 156 Street and 142 Street
- LRT station(s) would be underground
- Conceptual cost \$300 million (2011 dollars)
- Impacts include significant property acquisition

137 Avenue (Metro Line)

Reviewed as part of the Northwest LRT concept plan study (2013):

- Tunnel and underground station
- Conceptual cost of \$70 million (2012 dollars)
- Traffic movements improve but grade separation has impacts to Transit Oriented Development

Grade Separation Needs Assessment

Moving forward:

- Complete needs assessment at key intersections during next level of design for Valley Line and Metro Line
- Update traffic model and complete network analysis at key intersections with and without grade separation
- Prioritize improvements based on greatest benefit to transportation operations of all modes
- Evaluate opportunities to integrate LRT with adjacent development

Questions

