Project Schedule

This attachment presents two scenarios for the project schedule for improvements to Terwillegar Drive:

- Scenario 1 - Terwillegar Drive Upgraded to a Freeway
- Scenario 2 - Terwillegar Drive Upgraded to an Expressway

The project staging was developed considering factors such as capital cost, traffic impacts, staging dependencies and coordination with other City initiatives. The primary requirement for the staging assessment was to achieve construction 'packages' with costs between $75 million and $100 million, though this could not always be accomplished given project dependencies. At this early stage of project maturity, it is difficult to estimate the precise construction duration, but Administration estimates each stage would be two to three construction seasons.

Scenario 1: Freeway

Potential Project Staging	Capital Budget Cycle / Stage Cost Estimate (millions)							
	2019 - 2022	2023 - 2026	2027 - 2030	2031 - 2034	2035 - 2038	2039 - 2042	2043 - 2046	2047 - 2050
Stage 1 - 40 Avenue interchange	$110							
Stage 2 - Whitemud Drive interchange interim improvements and Rainbow Valley bridge widening		$ 130						
Stage 3 - Anthony Henday Drive interim interchange			$60					
Stage 4 - Rabbit Hill Road interchange				$ 85				
Stage 5 - 23 Avenue interchange					$80			
Stage 6 - Haddow Drive interchange						$95		
Stage 7 - Ultimate Terwillegar Drive / Whitemud Drive interchange							$250	
Stage 8 - Ultimate Anthony Henday Drive / Whitemud Drive interchange								$375

Scenario 2: Expressway

Potential Project Staging	Capital Budget Cycle / Stage Cost Estimate (millions)		
	2019 - 2022	2023 - 2026	2027 - 2030
Stage 1 - Expressway from north of Anthony Henday Drive to south of Whitemud Drive	$100		
Stage 2 - Whitemud Drive interchange improvements and Rainbow Valley Bridge widening		$140	
Stage 3 - Anthony Henday Drive interim interchange			$60