

## **5.2 Roadway Capacity**

The Collision Analysis identified reducing the number of through lanes as a collision reduction measure. According to a recent study on lane reductions (4), a 3-lane roadway can operate at an acceptable level-of-service with roadway ADT's up to 18,000. Two segments of Spenard, 36<sup>th</sup> to Benson and Northern Lights to Fireweed, will have projected 2016 ADT's of around 15,000.

## **6.0 Recommendation**

As a method to reduce the frequency and number of vehicle collisions along the Spenard corridor, it is recommended that Spenard Road be converted to a 3-lane section between 36<sup>th</sup> Avenue and Hillcrest Drive using the proposed intersection configurations for Fireweed and 36<sup>th</sup> Avenue. Acceptable intersection configurations for Benson and Northern Lights include BNL2, BNL3 and BNL4. Further analysis and final recommendation for the Benson and Northern Lights intersections will be made in the Engineering Analysis Report.