

## **CHAPTER FIVE**

### **CONCLUSIONS & RECOMMENDATION**

**This chapter contains:**

5.1 Conclusions

5.2 Recommendations.

## CONCLUSION & RECOMMENDATION

### 5.1 Conclusions

A linear referencing system (LRS) is a support system for the storage and maintenance of information on events that occur along a network. A LRS consists of an underlying network that supplies the backbone for location, a set of objects with well-defined geographic locations. A LRM determines an unknown location on the basis of a defined path along the underlying transportation network, a distance along that path location, and optionally-an offset from the path.

We can say, LRS shows the different conditions of a street without any need to segment the original street by using an event table. So, we have one geometry and several routes.

The overall cost maintenance of Abu Ktelah Street is 192,200 NIS.

### 5.2 Recommendations

As a result, it is highly recommended to use linear referencing for ArcGIS Server method for managing streets day to day operations. It can be used for;

- Assessing pavement conditions.
- Maintaining, managing, and valuing assets—for example, traffic signs and signals, guard rails, toll booths, and detectors.
- Reviewing and coordinating construction projects
- And calculating the cost of street maintenance.

Note:

We wanted to use ArcGIS Service to develop our project but we can't because the crack version of it is not available in the ministry of local government.