

**ANALYSIS OF TRAFFIC CONDITION AND MANAGEMENT IN
PULANTUBIG: A BASIS FOR IMPROVING TRAFFIC MANAGEMENT
IN DUMAGUETE CITY**

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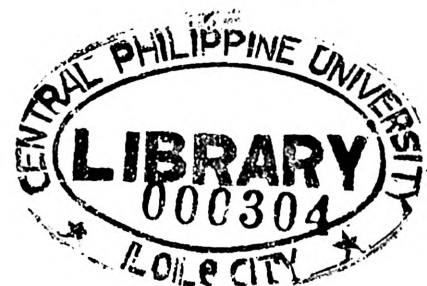
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Master of Engineering

By

Connie F. Inquig

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ABSTRACT

Roads are very important in our daily lives. They are major channels of transportation. As such, when such roads threaten the safety of motorists and pedestrians, they become the main concern of road users. This is the case of north road, Pulantubig, Dumaguete City because of traffic congestion. It is therefore important to determine the traffic flow, relevant factors that cause congestion, and to identify the appropriate traffic management schemes that are suitable in the area. Primary data collection was conducted from Monday to Friday from 6 o'clock in the morning to 6 o'clock in the afternoon. The data was collected using hand tally counters in counting the number and types of vehicles passing the intersection of El Rovera Road and North Road, Pulantubig, Dumaguete City. This study shows that motorcycles and tricycles are the dominant types of vehicles plying the streets. The number of pedestrians crossing the road intersections contributed much of the congestion in the area. Appropriate traffic management schemes such as bridge widening, providing loading and unloading area, construction of pedestrian overpass, installation of traffic lights, and imposing stiff penalties to road violators and jaywalkers have been identified as strategies to address the traffic congestion in the area.