

Introduction

This is a conceptual overview on the Truck Load Reconciliation System which can be customized to cater for the capturing of truck load tonnage from a supply depot's weigh bridge and construction site's weigh bridge. With information from both weigh bridges, the system is able to reconcile and perform matching of the truck load tonnages to determine if the load has been siphoned off or if there are spillage.

Problems

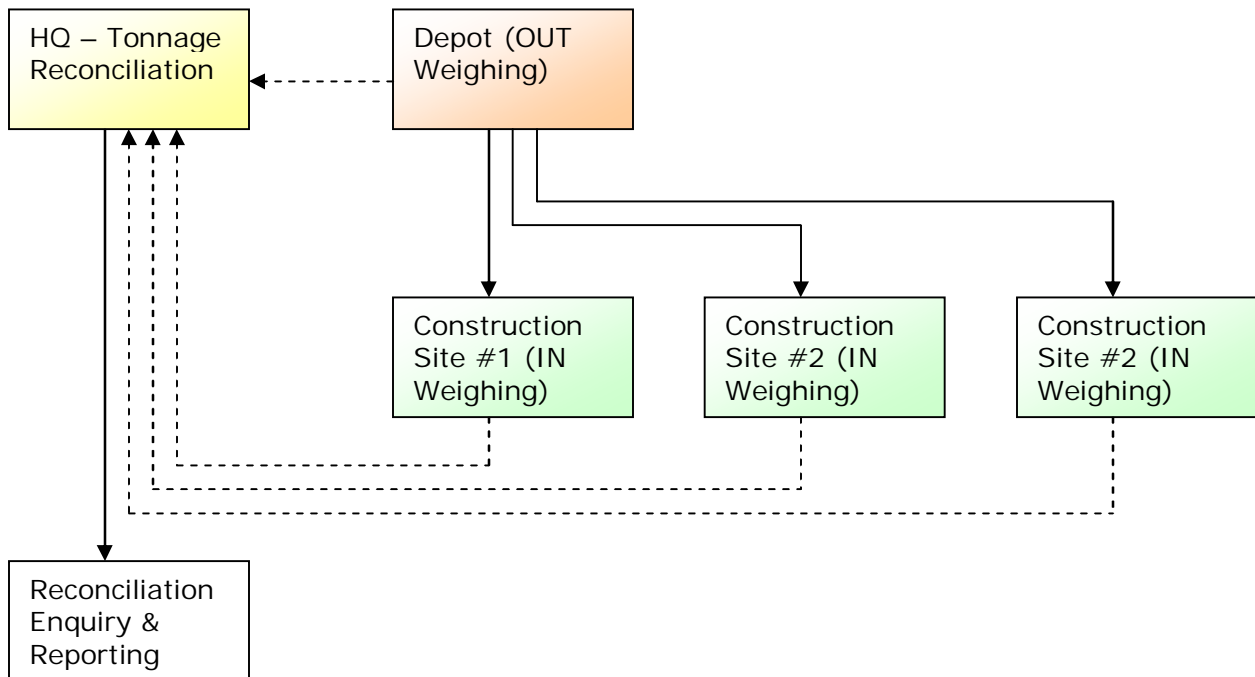
It is a common knowledge that from time to time, some construction material were under deliver when it reached its destination. This happened when the truck driver's siphoned off the construction material.

Over time, the company may incur more cost because of oversupply from the depot but short received at the constructions sites. Tonnage shortage thus can lead to financial loss. In addition to that, truck that diverted its route to siphon off its load can also resulted in time loss which translated to fewer trips.

Solutions

With an affordable investment, your company can procure a system to capture and monitor the movement of trucks and most importantly, the cargo tonnage transported from the depot to the construction sites.

System Overview Diagram



System Specification

The Truck Load Reconciliation System would have the following major functions

At Depot Level

- Out Weighing of Truck

At Construction Site Level

- In Weighing of Truck

At HQ Level

- Data uploading
- Reconciliation of weighing transaction from Depot and Site(s)
- Reporting and Enquiry
 - Tonnage Shortage and Estimated Lost (based on short-received tonnage and cargo value)
 - Average Trip Turnaround Time
 - Truck Trip History

Add-ons

- Option to interface with the Weigh Bridge platform to automatically capture the tonnage value.
- Auto transfer of transaction remotely, from the Depot and Construction Sites to the HQ.

Application Scope and Pricing Structure:

Item	Application Scope	Major Functions	Pricing Category	Estimated Cost
1	Weigh Bridge tonnage recording, non-interface with the Weigh Bridge platform.	Depot Out Weighing, Site In Weighing, HQ Reconciliation.	Basic	RM10,000 for 1 Depot, 1 Site, 1 HQ connectivity Additional Site: RM2,500
2	Weigh Bridge tonnage recording, interface with the Weigh Bridge platform.	Depot Out Weighing, Site In Weighing, HQ Reconciliation. Including auto capture of tonnage from the Weigh Bridge platform.	Basic + Interfacing	RM18,000 for 1 Depot, 1 Site, 1 HQ connectivity Additional Site: RM4,000
3	Weigh Bridge tonnage recording, interface with the Weigh Bridge platform. Remote data transfer via Sat or GSM communication.	Depot Out Weighing, Site In Weighing, HQ Reconciliation. Including auto capture of tonnage from the Weigh Bridge platform and remote data transfer to HQ.	Basic + Interfacing + Remote communication	RM26,000 for 1 Depot, 1 Site, 1 HQ connectivity Additional Site: RM6,000 Exclude recurrence cost of communication charges, if any.

Type of Weigh Bridge Platform



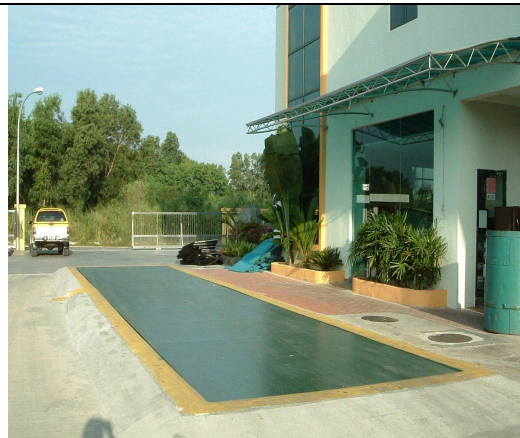
Mobile Weigh Bridge



Installing Weigh Bridge



Pit Weigh Bridge



Pit Weigh Bridge

Depot

A Depot can be any area where the truck will pick up its load. It can be a quarry, bitumen plant, cement plant, construction material stock piles, hardware warehouse, etc.

Construction Site

A construction site is where the truck will send its load. For a big project, a site will receive deliveries of construction materials for months.

Industry

This application software is suitable for a big developer or consortium who have their own depot and long term construction sites.