1.0 GENERAL

1.1 Scope

1.1.1 The work shall consist of the crushing, stockpiling and spreading of traffic gravel materials to the tonnage per mile as staked or as designated by the Engineer.

2.0 PRODUCTS

2.1 Gradation

2.1.1 When tested according to A.S.T.M. Designation C136-06, Method of Test for Sieve Analysis, the material shall meet one of the following gradation requirements as specified by the Engineer:

Sieve Size	Percent Passing by Weight
19.0 mm	100.0
12.5 mm	75-90
4.75 mm	45-70
425 um	10-35
75 um	8-15
Fractured Face	65% (minimum)
Plasticity Index	4-12

2.1.2 The percentage passing the designated sieve sizes for any representative sample, when plotted on a semi-log grading chart, shall show a free flowing concave curve without sharp brakes, within the limits specified above. A tolerence of 3% will be permitted providing 100% of the oversize passes the next highest sieve.

2.2 Aggregate

2.2.1 The aggregate shall consist of hard, durable particles free from injurious quantities of soft or flaky particles, topsoil, loam or organic matter, or other deleterious material.

2.2.2 Granular material retained on the 4.75 mm sieve shall have a minimum average of sixty-five percent (65%) of the aggregate with at least one fractured face (A.S.T.M. D 5821).

2.3 Clay Binder

2.3.1 Shall consist of fine particles of sand, silt and clay containing no particles larger than will pass a 25 mm square opening screen, and shall be free from injurious amounts of organic matter or other deleterious material.

2.4 Testing

2.4.1 The contractor shall be responsible for ensuring the traffic gravel meets the required specifications during crushing operations, the R.M. will be allowed access to the stockpile to gather samples for compliance tests.
Minumimum Tests required;
Sieve anaylsis - 1 for every 6,000 metric tonnes
P.I. -2

3.0 EXECUTION

3.1 Construction

3.1.1 Scales for weighing truckloads of gravel shall be of a platform type sensitive to a weight of 20 lbs. Proof of calibration of the scale shall be provided to the RM prior to hauling the gravel.

3.1.2 Traffic Gravel is to be supplied, delivered and spread by the Contractor utilizing belly dump or clam shell trailers as per the tonnage identified on the gravel map or as staked out by the Engineer and/or Foreman.

3.1.3 One triaxle load of gravel typically will weigh 29-31 tonnes and thus will be spread in a 1/4 mile (400m) stretch as follows;
250MT/mile 8 loads/mile (2 loads wide)
125MT/mile 4 loads/mile (1 down centre of road)

If tandem axle trailers are used the Contractor shall inform the Engine or Foreman so that each load will be staked in 1/5 mile (320m).

4.0 MEASUREMENT AND PAYMENT

4.1 Measurement

Traffic gravel material will be measured in metric tonnes supplied and placed. Each truckload of traffic gravel incorporated into the work must be weighed over a scale and tickets must be given on site to the Engineer daily.

4.2 Payment

Traffic gravel will be paid for at the unit price per tonne of material spread.