

HIGH BRIDGE BOROUGH STREET SURVEY 2004

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Attached herewith are the results of our evaluation and rating of the pavement condition of the High Bridge Borough Street System. The ratings are based on field observations performed by our office during 2004.

The rating criteria used was adapted from guidelines published by the Asphalt Institute (IS-169, Nov. 1977). The criteria used to evaluate the streets are: rideability, structure, cracking, patching and traffic. Based on this criterion, the structural condition of the pavement and the rideability of the surface are given more weight than minor defects such as longitudinal and horizontal cracking and utility patches. I have added to this criterion the traffic load assigned to each street. The inclusion of a traffic load factor is advisable for the following two reasons:

1. Heavier traffic loads will increase the rate of deterioration of the pavement;
2. Improvements to more heavily traveled roadways will mean that a greater proportion of the general population will benefit from the improvement.

By way of explanation, the criteria are rated as follows:

1. Ride: Rideability of the surface was rated from 1 (Best) to 10 (Worst).
2. Structure: The structural condition of the road was rated from 1 (Best) to 10 (Worst).
3. Cracks: Cracks were rated from 0 (Few) to 2 (Many).
4. Patches: Utility/Non-utility patches were rated from 0 (Few) to 2 (Many).
5. Traffic Loading: Traffic load ranges from 1 (Lightest) to 10 (Heaviest).

These criteria are rated for each street. Numerical value is then assigned to each rating, and a formula is applied to produce the rank of the street. .

I have also included a check off for those streets that have drainage problems. The following is a list of streets with drainage problems this is not factored into the rating of the street;

Cregar Rd. – 513 to Municipal. Border
Lake Avenue
Mill Street
Mine Rd. – Seal St. to Cokesbury Rd.
Nassau Rd.
Jerrico Rd.
Prospect St.
Taylor St. – Columbia Trail to Prospect. St.
Valley View Road
Van Sycles Place

The summary includes columns for recommended improvements, broken down into the following categories:

Reconstruction
Reclamation
Resurfacing with appreciable leveling
Resurfacing with minor leveling

Budget costs for construction and engineer are listed under Budget Estimate.

Included are two copies of the spreadsheet, sorted first by rank and then by alphabetical order

This Street Survey can be used by the Borough to determine the priority of streets to be included in the improvement program in the future. For budgeting purposes. It should be undated yearly to reflect improvements performed.

This survey is a tool to be used by the Council in evaluating future needs of the High Bridge Borough relating to the streets.

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