

Sub.
Bennett
Road Plat

Empire Laboratories, Inc.

SE 15

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April 25, 1975

Poudre School District R-1
Administration Office
2407 Laporte Avenue
Fort Collins, CO 80521

Attention: Mr. Cecil Bowden

Gentlemen:

Re: Pavement Design Bennett Road
ELI Project No. 1981-75

We are pleased to submit our report of a pavement design for a portion of Bennett Road, Fort Collins, Colorado. The field investigation carried out on April 23, 1975, consisted of sampling the street subgrade in two locations as follows.

Sample No. 1	G_L of Bennett Road 60 feet west of end of pavement.
Sample No. 2	G_L of Bennett Road 480 feet west of end of pavement.

The soils were classified and group indexes were determined for the purpose of developing criteria for the pavement design. A summary of test results is included on page 3 of this report. Group indexes of the upper soils at the site range from 0.0 to 7.0. Using this as criteria for pavement design, it is recommended that the pavement thickness for Bennett Road from City Park Avenue to the Bennett School be as follows.

Select Gravel Base Course	4"
Asphaltic Concrete	2"
Total Pavement Thickness	6"

The surface of the subgrade should be hard, uniform, smooth and true to grade. All base course and asphaltic concrete should meet city specifications.



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If you have any questions regarding the above recommendations, please feel free to call on us.

Very truly yours,

EMPIRE LABORATORIES, INC.

Neil R. Sherrod

Neil R. Sherrod
Engineering Geologist



Reviewed by:

Chester C. Smith

Chester C. Smith, P. E.
Vice President



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Enclosure

cc Don Parsons - City Engineer ✓
James H. Stewart & Associates

ATTERBERG SUMMARY

Sample No.	1	2
Liquid Limit	32.5	26.2
Plastic Limit	15.9	16.7
Plasticity Index	16.6	9.5
% Passing 200	56.1	32.7
Group Index	7.0	0
<u>Classification</u>		
Unified	CL	SM-SC
A. A. S. H. O	A-6(7)	A-2-4(0)