



EARTH ENGINEERING
CONSULTANTS, INC.

March 15, 2004

Dohn Construction
2642 Midpoint Drive
Fort Collins, Colorado 80525

Attn: Mr. David Stolte

Re: Subsurface Exploration
Charlie Lane Pavements
Fort Collins, Colorado
EEC Project No. 1044005P

APPROVED
By: RRR Date: 3-16-04



City of Fort Collins
Engineering Department

Mr. Stolte:

Our subsurface exploration report for Charlie Lane in Fort Collins, Colorado was submitted to your attention on March 3, 2004. Based on that report, the City of Fort Collins Engineering Department has provided an estimated traffic loading for the identified street. The design summary is included with this report.

A pavement section recommendation is provided in this report based on the traffic loading provided by the City of Fort Collins Engineering Department and remolded subgrade strength characteristics. An R-value less than 5 was estimated for the rough graded pavement subgrades. Using the American Association of State Highway and Transportation Officials (AASHTO) correlation, that R-value corresponds to a resilient modulus value of 3775. The resilient modulus value of 3775 was used in the pavement evaluation.

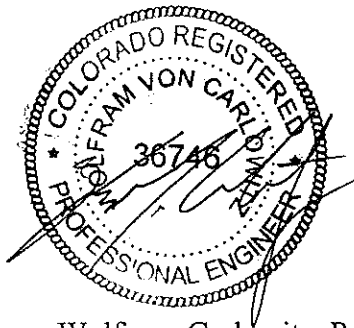
The AASHTO design guidelines for pavement design were used to evaluate recommended pavement section for this project. A recommended pavement section based on that evaluation is provided on the attached summary. Other sections could be considered; however, City of Fort Collins standards require the use of a composite section.

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The asphaltic concrete used as the surface course in the pavement area should be consistent with City of Fort Collins classification for Grading S or SX for the local drives. The aggregate base should be consistent with Colorado Department of Transportation requirements for Class 5 or Class 6 base.

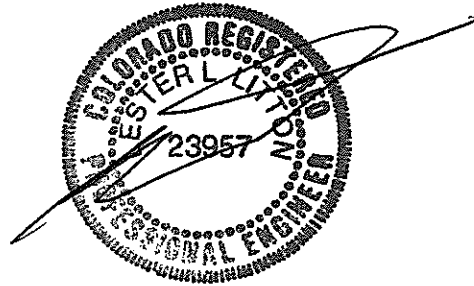
We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we can be of further service to you in any other way, please do not hesitate to contact us.

Very truly yours,
Earth Engineering Consultants, Inc.



Wolf von Carlowitz, P.E.
Project Engineer

Reviewed by:



Lester L. Litton, P.E.
Principal Engineer

cc: Rick Richter - City of Fort Collins (4)

EARTH ENGINEERING CONSULTANTS, INC.
RECOMMENDED PAVEMENT SECTIONS

Roadway	Charlie Lane
Traffic Load 18-Kip EDLA	20
Classification	Local
Design Structural Number	2.83
Section A – Composite	
Asphalt Surface (S or SX)	2 in.
Asphalt Base (SG)	3 in.
Aggregate Base	6 in.
Section Structural Number	(2.86)

Project: Pavement Recommendation
Charlie Lane
Fort Collins, Colorado

EEC Project No: 1044005P

Date: March 2004

