



April 13, 2021

Rass Construction
700 South 6150 West
Ogden, Utah 84404

Attention: Rob Howard
EMAIL: turfmanutah@hotmail.com

Subject: Geotechnical Consultation - Pavement Sections
Industrial Development
9000west 900 South
Ogden, Utah
Project No. 1210119

Gentlemen:

Applied Geotechnical Engineering Consultants, Inc. (AGEC) was requested to provide geotechnical consultation regarding a heavy pavement section for the industrial development being planned at 9000 West 900 South in Ogden, Utah.

AGEC previously conducted a geotechnical investigation for the development and presented our findings and recommendations in a report dated March 26, 2021 under Project No. 1210119.

BACKGROUND

The above-referenced report provides pavement recommendations for a traffic load of up to 10 semis and five delivery trucks per day. We understand that up to 30 semis per day are expected for some areas of pavement.

CONCLUSIONS AND RECOMMENDATIONS

Based on information presented in the above-referenced geotechnical report, the following recommendations are given:

1. Pavement Thickness

Based on the subsoil conditions, assumed traffic, a design life of 20 years for flexible and 30 years for rigid pavement and methods presented by AASHTO, the following pavement sections are calculated:

Traffic	Rigid Pavement	Flexible Pavement		
	Portland Cement Concrete	Asphaltic Concrete	Base Course	Granular Borrow
Predominantly car traffic	5" -	- 3"	- 6"	- -
2 semi trucks per day	5" -	- 3½"	- 6"	- 8"
10 semi trucks per day	6" -	- 4"	- 6"	- 12"
30 semi trucks per day	7½" -	- 5"	- 6"	- 14"

A pavement section consisting of at least 6½ inches of Portland cement concrete over at least 4 inches of base course is recommended for the dumpster approach slab.

2. Additional recommendations are presented in the above-referenced geotechnical report.

LIMITATIONS

This letter has been prepared in accordance with generally accepted geotechnical engineering practices in the area for the use of the client. The conclusions and recommendations included in the letter are based on information presented in the above-referenced geotechnical report. Variations in the subsurface conditions may not become evident until additional exploration or excavation is conducted. If the subsurface conditions or proposed construction is significantly different from what is described in this letter, we should be notified to reevaluate the recommendations given.

If you have any questions or if we can be of further service, please call.

Sincerely,

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.



David J. Nordquist, P.E.

Reviewed by DRH, P.E., P.G.
DJN/bw