

July 26, 2023

Kimley-Horn
1100 W. Idaho St., Suite 210
Boise, Id. 83702

Attention: Mr. Robert Beckman, PE

Subject: Asbestos Evaluation Report
US-91, Park Lawn to Siphon Road (KN 21860)
Chubbuck, Idaho

Dear Robert:

This letter summarizes the asbestos test results obtained for Portland Cement Concrete (PCC) core samples taken during the Roadway Materials evaluation for the US-91, Park Lawn to Siphon Rd project, located in Chubbuck, Idaho.

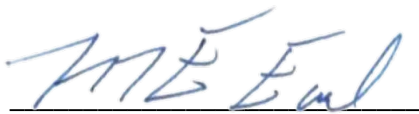
Three buried PCC cores were collected by Shannon & Wilson on January 12, 2023, as part of the Roadway Materials evaluation. The core samples were crushed by the Shannon & Wilson laboratory then sent to Atlas Technical Consultants for asbestos analysis. The results from all samples were, "No Asbestos Detected (NAD)" indicating that asbestos was not detected in the existing PCC.

A PCC Core Location Map (Fig. 1) and Asbestos Bulk Sample Analysis Report are attached.

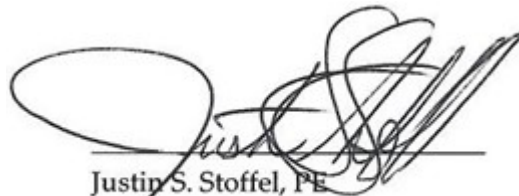
We appreciate the opportunity to provide this service for Kimley-Horn. If you have any questions, please feel free to contact our office.

Respectfully submitted,

Shannon and Wilson



Mart Earl, WAQTC
Geotechnical Technician


Justin S. Stoffel, PE
Geotechnical Engineer

MEE/JSS

71-109216-002



2791 S. Victory View Way
Boise, ID 83709
208.376.4748 | oneatlas.com

July 19, 2023

Atlas File#: B230001e

SY
SHANNON + WILSON

Project: US-91 Parklawn
Project Number: _____

Date Received: 7/19/2023
Date Reported: 7/19/2023

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
B-05	B203385	Mixed aggregate – crushed fines – loose aggregate granular with fibers	NAD	5% cellulose	95% other	
B-04	B203386	Mixed aggregate – crushed fines – loose aggregate granular with fibers	NAD	2% cellulose	98% other	
B-06	B203387	Mixed aggregate – crushed fines – loose aggregate granular with fibers	NAD	2% cellulose	98% other	

Glossary of Acronyms

NAD - No Asbestos Detected

PS – Positive Stop – Not Analyzed

TRACE - Detectable but not quantifiable

IS - Insufficient Sample -percentages may be inaccurate

Sampled by: Client

Analyzed by: Thomas Johnson
Microscopist

Sample components are identified using polarized light microscopy (PLM) coupled with dispersion staining methods as determined by visual estimation. Small asbestos fibers may not be detected by PLM due to the resolution limitations of the optical microscope. Detecting asbestos in non-friable organically bound materials is not consistently reliable using PLM analysis. The non-detection of asbestos fibers in floor tile by PLM is of itself inconclusive. Confirmation by Transmission Electron Microscope (TEM) is recommended for negative floor tile samples. This test report relates only to the items tested in the sample as submitted to the laboratory.

Analysis method: Polarized Light Microscopy (PLM) by EPA/600/R-93/116 with Central Stop Dispersion by NIOSH 9002
American Industrial Hygiene Association (AIHA) Performance Analytical Testing (PAT) Laboratory Number 101571



NOT TO SCALE

US-91, Roadway Widening, Park Lawn to
Siphon Rd
MP 81.138 to MP 81.620

PCC CORE LOCATION MAP

July 24, 2023

71-109216-002

SHANNON & WILSON

FIG. 1