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## LETTER OF TRANSMITTAL

TO: Steamboat Structures  
Larkspur, CO

DATE: 9/29/2021

FILE NO. 013-01

ATTN: Heather Reed

RE: Forest Lakes Bridges

### WE ARE SENDING YOU:

- |   |   |                                  |
|---|---|----------------------------------|
| <input type="checkbox"/> Shop Drawings  | <input type="checkbox"/> Copy of Letter                   | <input type="checkbox"/> Samples |
| <input type="checkbox"/> Specifications | <input type="checkbox"/> Reports                          | <input type="checkbox"/> _____   |
| <input type="checkbox"/> Plans          | <input checked="" type="checkbox"/> Submittal Information |                                  |

SUBMITTED BY: Structures

COPIES	DESCRIPTION	CONTRACTOR
1	Structure Backfill	Structures/AB Underground

### THESE ARE TRANSMITTED:

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> For Approval | <input checked="" type="checkbox"/> For Review and Comment | <input type="checkbox"/> Returned for Corrections |
| <input type="checkbox"/> For Your Use            | <input type="checkbox"/> Approved As Submitted             | <input type="checkbox"/> _____                    |
| <input type="checkbox"/> As Requested            | <input type="checkbox"/> Approved As Noted                 |   |

### REMARKS:

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cc: File

### SHOP DRAWING REVIEW

- ☒ NO EXCEPTIONS      ☐ REVISE AS NOTED  
☐ REVISE AND RESUBMIT      ☐ REJECTED

This review is for general conformance with the design intent of the project and general compliance with the information provided in the contract documents. Review, corrections, or comments made concerning the shop drawings during this review do not relieve the contractor from compliance with the requirements of the drawings and specifications, nor relieve the contractor of contractual responsibility for any error or deviation from the contract documents.

The contractor is responsible for, but not limited to: confirming all quantities, dimensions, and structural capabilities, selecting fabrication and construction techniques, coordinating work with that of all other trades, and performing work in a safe and satisfactory manner.

**STEAMBOAT STRUCTURES, LLC**

By: H. Reed

DATE: 10/04/21





## WORKSHEET FOR SOIL INDEX and MOISTURE DENSITY

Project No: 221-123	Project Name: CS CAG On Call Testing	
Sampled by: Contractor	Date Sampled: Unknown	Date Tested: 9/9/2021
Lab No: G-99	Depth (ft): Unknown	Location: Unknown
Tested by: MC	Checked by: J. Ibarra	

Soil Description: Recycled Concrete (Class 6) Well Graded Gravel with Silt and Sand

Tests Performed: ☒ Full Soil Class ☐ Gradation ☐ -200 Wash ☐ Moisture ☐ Atterberg ☐ Unit Wt.

Sieve Analysis (ASTM D 421, C 136 & AASHTO T 27)						Wash - #200 (D 1140, C 117 & T 11) & Moisture Content (D 2216 & T 265)		
Sieve Size		Accum. Wt., (g)	% Retained	% Passing	Spec's.			
in. / #	mm.							
3"+	75			100		Dish I.D.	Bowla	
2-1/2"	63			100		Dish wt. (g)	195.8	
2"	50			100		Original wt. of soil + dish (g)	3257.2	
1-1/2"	37.5			100		Oven dry wt. of soil + dish (g)	3070.9	
1"	25			100	100	If Split, Dish+Pre-wash Soil (g)		
3/4"	19	74.5	3	97	95-100	Wash oven dry wt. of soil + dish (g)	2889.4	
1/2"	12.5	743.6	26	74		% Moisture Content	6.5%	
3/8"	9.5	1046.4	36	64				
#4	4.75	1551.9	54	46	30-65	% Wash - #200	6.3%	
#8	2.360	1837.4	64	36	25-55			
#10	2.000	1900.5	66	34		Sieve Samples Dried Separately? <input type="checkbox"/>		
#16	1.180	2075.4	72	28		Pan Wt. (g)		
#30	0.600	2262.0	79	21		Pan + Wet Soil Wt. (g)		
#40	0.425	2352.8	82	18		Pan + Dry Soil Wt. (g)		
#50	0.300	2457.2	85	15		Pan + Dry Wash Soils (g)		
#100	0.150	2628.3	91	9		Unit Weight (By Volume)		
#200	0.075	2685.4	93	6.6	3-12	Height (in)	Diameter (in)	Moist Weight(g)
Pan								
Oven dry Weight		2875.1						
Oven dry weight		2875.1	CS CAG On Call Testing					

One Point Method	Liquid Limit		Plastic Limit		Moist Unit Weight (pcf)	
Blow Counts (20-30)						
Tin ID	Unknown				Dry Unit Weight (pcf)	
Tin Wt. (g)						
Tin+Wet Soil Wt. (g)						
Tin+ Dry Soil Wt. (g)						
Wt. of Water (g)		#VALUE!				
Wt. of Dry Soil (g)		#VALUE!				
Moisture Content			PL(s)	NP		
Liquid Limit			Plastic Limit	NP	Plastic Index	NP

Gravel (%)		54	Sand (%)		39	Fines (%)		7
CLASSIFICATION:		AASHTO:	A-1-a ( 0 )		USCS:	GW-GM		