



BOONE COUNTY, MISSOURI

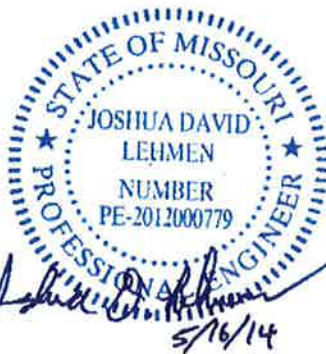
Request for Bid #: 25-22MAY14 – Angel Lane Pavement Reconstruction

ADDENDUM #1 - Issued May 16, 2014

This addendum is issued in accordance with the Bid Response Page in the Request for Bid and is hereby incorporated into and made a part of the Request for Bid Documents. Bidders are reminded that receipt of this addendum **should be acknowledged** and submitted with Bidder's *Response Form*.

Specifications for the above noted Request for Bid and the work covered thereby are herein modified as follows, and except as set forth herein, otherwise remain unchanged and in full force and effect:

- 1. The County is providing the attached boring logs for the Angel Lane Pavement Reconstruction project as additional information to the contractors.**
- 2. The County is extending the bid submission deadline until May 29, 2014 at 1:15 P.M. The bid submission and opening addresses remain the same.**
- 3. The County is providing the Pre-Bid Conference attendance sheet as additional information to contractors.**



By: *Amy Robbins*
Amy Robbins
Senior Buyer

OFFEROR has examined copy of Addendum #1 to Request for Bid 25-22MAY14 – Angel Lane Pavement Reconstruction, receipt of which is hereby acknowledged:

Company Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Authorized Representative Signature: _____ Date: _____

Authorized Representative Printed Name: _____



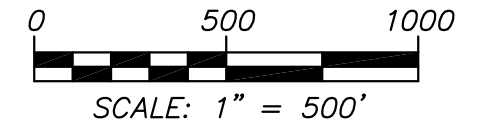
BORING NO.	SAMPLE NO.	DEPTH (FEET)	USCS CLASS	NATURAL MOISTURE CONTENT (%)	NATURAL DRY DENSITY (PCF)	ATTERBERG LIMITS			UNCONFINED COMPRESSION		REMARKS
						LL	PL	PI	COHESION (TSF)	STRAIN %	
B2	ST1	2.0-4.0		29							
B3	SS1	1.5-3.0	CL	23		44	17	27			
B5	AS1	1.0-2.0	CL	18		32	19	13			
	AS2	3.0-5.0		26							
B7	AS1	2.0-3.0		20							
B9	SS1	2.0-3.5	CL	30		36	15	21			
B11	AS1	1.0-2.0	CH	14		62	14	48			
	ST2	2.0-4.0		23							
B13	AS1	1.0-2.0	CL	26		47	18	29			
	AS2	2.0-4.0		24							
B14	AS1	1.0-2.0		11							
	AS2	2.0-3.0		19							
	AS3	3.0-4.5		22							

LAB NO. 2905
PROJECT: Angel Lane
Ashland, Missouri

SUMMARY OF
LABORATORY TEST RESULTS

LAB NO. 2905
PROJECT: Angel Lane
Ashland, Missouri

PLAN OF BORING LOCATIONS



F:\CURRENTDRAWINGS\ASHLAND\2905 BORINGS.DWG 8/29/2013

LAB NO. 2905

LOG OF BORING NO. B1

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: 4" Solid Stem Auger

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>836.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.						
						0.2	0.4	0.6	0.8	1.0	1.2	1.4
						PLASTIC LIMIT		WATER CONTENT, %		LIQUID LIMIT		
						+-----+-----+		●		+-----+		
						10	20	30	40	50	60	70
		ASPHALT										
		CHIP SEAL										
2		FILL: SILTY CLAY / AGGREGATE MIXTURE; layered										
		SANDY SILTY CLAY: Orangish brown and gray, moist, firm										
4		SILTY CLAY: Gray and tan, moist, firm, some sand										
		SILTY CLAY: Gray and brown, some orangish brown, moist, firm to stiff, some sand										
6												

Completion Depth: 5.5'
Date: 17 August 2012

Depth to Water ATD: *Not Encountered*

LAB NO. 2905

LOG OF BORING NO. B2

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: 4" Solid Stem Auger

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>847.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.						
						0.2	0.4	0.6	0.8	1.0	1.2	1.4
						PLASTIC LIMIT		WATER CONTENT, %		LIQUID LIMIT		
						+-----+-----+		●		+-----+		
						10	20	30	40	50	60	70
		CHIP SEAL										
		BASE ROCK										
2		CLAYEY SILT: Dark gray to gray, damp to moist, firm										
		SANDY SILT: Gray and light brown, moist, firm to stiff							●			
4		SANDY SILT: Gray, brown and orangish brown, moist, firm to stiff										
6												

Completion Depth: 5.5'
Date: 17 August 2012

Depth to Water ATD: *Not Encountered*

11/08/2012 11:00 AM C:\Users\jason\Documents\2905\2905 B1 & B2 2012

LAB NO. 2905

LOG OF BORING NO. B3

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: *4" Solid Stem Auger*

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>861.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.						
						0.2	0.4	0.6	0.8	1.0	1.2	1.4
						PLASTIC LIMIT	WATER CONTENT, %		LIQUID LIMIT			
						+	-----●-----		+			
						10	20	30	40	50	60	70
		CHIP SEAL										
		BASE ROCK: 1" base										
2		SILTY CLAY: Gray and brown, lignite stains, moist, firm	9	CL		+	●	-----	+			
4		SILTY CLAY: Brown and gray, moist, firm to stiff, trace sand										
6												

Completion Depth: *5.5'*
Date: *17 August 2012*

Depth to Water ATD: *Not Encountered*

LAB NO. 2905

LOG OF BORING NO. B4

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: *4" Solid Stem Auger*

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>862.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.						
						0.2	0.4	0.6	0.8	1.0	1.2	1.4
						PLASTIC LIMIT	WATER CONTENT, %		LIQUID LIMIT			
						+	-----●-----		+			
						10	20	30	40	50	60	70
		CHIP SEAL										
		BASE ROCK: 1" base										
2		CLAYEY SILT: Dark gray, damp, firm, some aggregate										
		CLAYEY SILT: Gray to dark gray, damp to moist, firm										
4		CLAYEY SILT: Grayish brown and gray, moist, firm										
		CLAYEY SILT: Light brown and gray, some orangish brown, moist, firm										
6												

Completion Depth: *5.5'*
Date: *17 August 2012*

Depth to Water ATD: *Not Encountered*

E:\CURRENT\PROJECTS\ASHLAND\LOGS\2905 BORING B4.DWG 8/20/2012

LAB NO. 2905

LOG OF BORING NO. B5

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: *4" Solid Stem Auger*

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>864.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.							
						0.2	0.4	0.6	0.8	1.0	1.2	1.4	
						PLASTIC LIMIT		WATER CONTENT, %		LIQUID LIMIT			
						+	-----	●	-----	+			
						10	20	30	40	50	60	70	
		CHIP SEAL											
		BASE ROCK: 1" base											
2		CLAYEY SILT: Dark gray, damp to moist, firm		CL				●	-----	+			
4		CLAYEY SILT: gray, moist to very moist, soft to firm						●					
6		SILTY CLAY: Brown and gray, moist, firm to stiff											
Completion Depth: <i>5.5'</i>						Depth to Water ATD: <i>Not Encountered</i>							
Date: <i>17 August 2012</i>													

LAB NO. 2905

LOG OF BORING NO. B6

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: *4" Solid Stem Auger*

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>868.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.							
						0.2	0.4	0.6	0.8	1.0	1.2	1.4	
						PLASTIC LIMIT		WATER CONTENT, %		LIQUID LIMIT			
						+	-----	●	-----	+			
						10	20	30	40	50	60	70	
		ASPHALT											
		BASE ROCK: 1" base											
2		SILTY CLAY: Gray to dark gray, moist, firm to stiff, some gravel											
		SILTY CLAY: Gray and brown, some orangish brown, moist, firm to stiff											
4		SILTY CLAY: Brown and grayish brown, some rust, moist, firm to stiff											
6													
Completion Depth: <i>5.5'</i>						Depth to Water ATD: <i>Not Encountered</i>							
Date: <i>17 August 2012</i>													

P:\CURRENT\DRAWINGS\ASPHALT\2905\LOGS\2905-LOGS.DWG 8/30/2012

LAB NO. 2905

LOG OF BORING NO. B7

PROJECT: Angel Lane
Ashland, Missouri

TYPE: 4" Solid Stem Auger

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: 863.0'	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.						
						0.2	0.4	0.6	0.8	1.0	1.2	1.4
						PLASTIC LIMIT		WATER CONTENT, %		LIQUID LIMIT		
						+-----+		+-----●-----+		+-----+		
						10	20	30	40	50	60	70
		CHIP SEAL										
		SILTY CLAY: Grayish brown, moist, firm to stiff										
2		SILTY CLAY: Gray and brown, moist, firm to stiff							●			
4												
6												

Completion Depth: 5.5' Depth to Water ATD: *Not Encountered*
Date: 17 August 2012

LAB NO. 2905

LOG OF BORING NO. B8

PROJECT: Angel Lane
Ashland, Missouri

TYPE: 4" Solid Stem Auger

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: 850.0'	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.						
						0.2	0.4	0.6	0.8	1.0	1.2	1.4
						PLASTIC LIMIT		WATER CONTENT, %		LIQUID LIMIT		
						+-----+		+-----●-----+		+-----+		
						10	20	30	40	50	60	70
		CHIP SEAL										
		BASE ROCK: 1" base										
		SILTY CLAY: Dark brown to black, damp to moist, firm										
2		SILTY CLAY: Dark gray, moist, firm to stiff										
4		SILTY CLAY: Brown and gray, trace of grayish brown, moist										
6		SILTY CLAY: Light brown, moist to very moist										

Completion Depth: 5.5' Depth to Water ATD: *Not Encountered*
Date: 17 August 2012

LAB NO. 2905

LOG OF BORING NO. B9

PROJECT: Angel Lane
Ashland, Missouri

TYPE: 4" Solid Stem Auger

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: 849.0'	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.									
						0.2	0.4	0.6	0.8	1.0	1.2	1.4			
	CHIP SEAL														
		SILTY CLAY: Dark brown, moist to damp, some gravel													
2		SILTY CLAY: Gray to dark gray, moist, firm	6	CL											
4															
6															

Completion Depth: 5.5'
Date: 17 August 2012

Depth to Water ATD: *Not Encountered*

LAB NO. 2905

LOG OF BORING NO. B10

PROJECT: Angel Lane
Ashland, Missouri

TYPE: 4" Solid Stem Auger

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: 861.0'	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.									
						0.2	0.4	0.6	0.8	1.0	1.2	1.4			
	CHIP SEAL														
		SILTY CLAY: Gray to dark gray, damp to moist, firm													
2		SILTY CLAY: Brown and gray, moist, firm to stiff													
4															
6															

Completion Depth: 5.5'
Date: 17 August 2012

Depth to Water ATD: *Not Encountered*

LAB NO. 2905

LOG OF BORING NO. B11

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: *4" Solid Stem Auger*

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>866.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.							
						0.2	0.4	0.6	0.8	1.0	1.2	1.4	
						PLASTIC LIMIT	WATER CONTENT, %		LIQUID LIMIT				
						+-----+	●		+-----+				
						10	20	30	40	50	60	70	
		CHIP SEAL											
2		SILTY CLAY: Dark gray to black, moist, firm to stiff				●							
4		SILTY CLAY: Gray, trace of tan, moist, firm		CH		+-----+	●						
6													

Completion Depth: *5.5'*
Date: *17 August 2012*

Depth to Water ATD: *Not Encountered*

LAB NO. 2905

LOG OF BORING NO. B12

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: *4" Solid Stem Auger*

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>856.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.							
						0.2	0.4	0.6	0.8	1.0	1.2	1.4	
						PLASTIC LIMIT	WATER CONTENT, %		LIQUID LIMIT				
						+-----+	●		+-----+				
						10	20	30	40	50	60	70	
		CHIP SEAL											
		SILTY CLAY: Dark brown, damp, firm											
2		SILTY CLAY: Gray and brown, moist, stiff											
4		SILTY CLAY: Brown and gray, moist, stiff											
6													

Completion Depth: *5.5'*
Date: *17 August 2012*

Depth to Water ATD: *Not Encountered*

LAB NO. 2905

LOG OF BORING NO. B13

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: 4" Solid Stem Auger

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>854.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.			
						PLASTIC LIMIT	WATER CONTENT, %	LIQUID LIMIT	
		CHIP SEAL							
		BASEROCK							
2		SILTY CLAY: Gray and dark gray, moist, firm to stiff					●		
4		SILTY CLAY: Brown and gray, trace of orangish brown, moist, stiff		CL		+	●	+	
6									

Completion Depth: 5.5'
Date: 17 August 2012

Depth to Water ATD: *Not Encountered*

LAB NO. 2905

LOG OF BORING NO. B14

PROJECT: *Angel Lane
Ashland, Missouri*

TYPE: 4" Solid Stem Auger

DEPTH, FT.	SAMPLE TYPE	SOIL DESCRIPTION TYPE, COLOR, MOISTURE & OTHER LOCATION: <i>See Plan of Boring Locations</i> SURF. ELEV.: <i>864.0'</i>	BLOWS PER FT.	UNIFIED CLASSIFICATION	UNIT DRY WT. LB./CU.FT.	COHESION, TON/SQ.FT.			
						PLASTIC LIMIT	WATER CONTENT, %	LIQUID LIMIT	
		CHIP SEAL							
		BASE ROCK							
2		SILT: Dark gray, damp, stiff					●		
		SILT: Light gray, damp to moist, firm to stiff					●		
4		CLAYEY SILT: Brownish gray, moist to damp, firm to stiff					●		
		-; Dark gray to black							
6									

Completion Depth: 5.0'
Date: 17 August 2012

Depth to Water ATD: *Not Encountered*

PRE-Bid Sign-In Sheet

MAY 15, 2014 8:30 AM

Bid # 25-22 MAY 14 - Angel Lane Renovation

DERIN CAMPBELL

886-4480

DON NELSON DPAC 573-228-7007

Rob Christensen Christensen Const 573-814-3308

Josh Lehman Engineering Surveys & Services 573-449-2646

Josh M. Hawkins

CITY OF ASHLAND

573-259-9844

Steve P. Campbell

City of Ashland

573-289-7017

Gene R. Horell

Mayor Ashland

573-637-1211

Trevi's Davidson

P/W Ashland

573-808-2373

Loby Morris

P/W Ashland

573-289-1028

Dan Hard

Boone County

886-4480

Keith Austin

Boone County

886-4339

Amy Robbins

Boone County

886-4392