EDSI
ENGINEERING DESIGN SOURCE, INC.

ADDENDUM No. 1

DATE: February 1, 2019

TO: Prospective Bidders

OWNER: City of University City
Department of Public Works
6801 Delmar Boulevard
University City, Missouri 63130

ENGINEER: EDSI
16141 Swingley Ridge Road
Chesterfield, Missouri 63017

SUBJECT: Addendum No. 1 to the Bidding Documents for
Forsyth Boulevard Improvements Project
STP-5526(642)

This Addendum forms a part of the Bidding and Contract Documents and modifies the original Bidding Documents, dated May 2018. **FAILURE TO ACKNOWLEDGE RECEIPT OF ADDENDUM MAY SUBJECT BIDDER TO DISQUALIFIACTION.**

ITEM

Geotechnical Reports

1. Test Method for Obtaining and Testing Drilled Cores-ASTM C42

2. Pavement Coring and Concrete Compressive Strength Test Results

This Addendum consists of 1 page, excluding attachments.

END ADDENDUM NUMBER 1

Email to: jh@engdesignsource.com

February 23, 2016

Report No. 7966
J019852.03

Mr. John A. Hock
EDSI, Inc.
16141 Swingley Ridge Rd.
Chesterfield,MO

Re:
16141 Swingley Ridge Rd.
Chesterfield,MO

Dear Mr. Hock:

Included within this report are test results from four (4), hardened concrete specimens removed from the above referenced project by a Geotechnology representative on February 12, 2016. Please contact the undersigned if you have any questions regarding this report.

Test to Determine	Method of Test
Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	ASTM C42

Respectfully submitted,

GEOTECHNOLOGY, INC.
Construction Materials Testing Group

Zachary R. Bullock, CET
CMT Laboratory Manager

ZRB/JPK: jpk/aat

TEST METHOD FOR OBTAINING AND TESTING DRILLED CORES- ASTM C42

Specimen Number	Length at Test-In.	Applied Load-Lbs.	Area Sq. In.	Correction Factor	Strength Lbs./Sq.In.
1*Column B2	5.29	40,240	3.94	0.939	3,050
2*Column B2	5.72	72,940	3.94	0.952	5,610
3*Column B4	7.84	38,790	3.94	N/A	3,130
4*Column B6	5.22	61,150	3.94	0.937	4,630

Average 4,105

*Length/Diameter Correction Factor Applied

GEOTECHNOLOGY INC
FROM THE GROUND UP

Via email: jh@engdesignsource.com

March 31, 2016 J019852.03

Mr. John Hock, P.E.
Engineering Design Source, Inc.
16141 Swingley Ridge Road, Suite 300
Chesterfield, Missouri 63017

Re: Pavement Coring and Concrete Compressive Strength Test Results
Forsyth Boulevard Resurfacing Project
University City, Missouri

Dear Mr. Hock:

In response to your request, Geotechnology has obtained pavement cores for the referenced project. These services were performed in general accordance with our authorized proposal P019852.03 dated July 29, 2015.

Project Description

The project includes milling and overlaying Forsyth Boulevard from Big Bend Boulevard to the Clayton City limit. In addition to milling and overlaying, replacement and ADA improvements will be made to the curbs and sidewalks.

Pavement Coring and Results

We obtained sixteen, 4-inch diameter pavement cores at locations marked by Geotechnology representatives and reviewed by University City representatives. Pavement core locations are presented in the aerial photographs, Appendix A. Upon completion, the core holes were backfilled with cold-patch asphalt. The retrieved cores were returned to our laboratory, measured, and photographed. Photographs of the recovered pavement cores are presented in Appendix B.

Portland Cement Concrete pavement (PCC) is present below the asphalt at seven locations. The asphalt thicknesses ranged from 2.25 to 14 inches thick. PCC thicknesses varied from approximately 5 to 10 inches thick. Compressive strength tests were conducted on the PCC pavement cores. PCC compressive strengths ranged from 3,050 psi to 5,610 psi. The core thicknesses and compressive strengths are summarized in the table presented in Appendix B.

* * * * *

Thank you for the opportunity to provide materials testing services for this project. If you have any questions or require additional information, please contact the undersigned.

Very truly yours,

GEOTECHNOLOGY, INC.

D. Thomas Coleman III, P.E.
Senior Staff Engineer

DTC/JPK/CKK:dtc/aat

Appendix A – Aerial Photographs of Approximate Pavement Core Locations
Appendix B – Forsyth Boulevard Pavement Core Thicknesses Table
Appendix C – Photographs of Cores

St. Louis County Parcel Map

January 26, 2016

Sales (Last 2 Years)

1:1,200

0 0.01 0.02 0.04 mi

0 0.015 0.03 0.06 km

St. Louis County GIS Service Center

St. Louis County Parcel Map

January 26, 2016

Parcel Selected

Sales (Last 2 Years)

1:1,200

0 0.01 0.02 0.04 mi

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Created by: St. Louis County GIS Service Center

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St. Louis County GIS Service Center

Core No.	Date Cored	Address	Lane	Distance from Centerline (feet)	Thicknesses (Inches)			Underlying Base Course Materials	Hand Auger Refusal Depth (inches)	Concrete Compressive Strength (psi)
					Asphalt	Concrete	Base Course			
1	2/4/2016	7447	EB	26	4.5	8	-	2.5 inches of brick pavers over soil	19	3050
2	2/5/2016	7425	CL	0	3.5	7	6	2 inches of gravelly soil over 4 inches of crushed limestone over soil	17	5610
3	3/14/2016	7347	WB	16	2.5	6.25	-	soil	-	5210
4	2/5/2016	7331	EB	15	3	10	6	gravelly soil over soil	20	3130
5	3/14/2016	7267	WB	15	2.75	-	2.5	crushed rock over soil	22	-
6	2/5/2016	7259	EB	13	3	6	6	gravelly soil over soil	22	4630
7	3/14/2016	7225	WB	16	2.75	-	1.5	crushed rock over soil	-	-
8	3/14/2016	7212	EB	15	3	5	-	soil	-	7110
9	3/14/2016	7148	EB	16	2.75	7.75	-	soil	-	5280
10	3/14/2016	7139	WB	17	2.25	-	1.75	crushed rock over crushed limestone over soil	-	-
11	3/15/2016	7071	WB	16	4.75	-	-	soil	8	-
12	3/15/2016	7100	EB	7	5.25	-	-	soil	15	-
13	3/15/2016	7041	WB	15	3.5	-	7	crushed limestone over soil	11	-
14	3/15/2016	7032	EB	7	9	-	4	crushed limestone over soil	13	-
15	3/15/2016	7019	WB	15	4.5	-	5	crushed limestone over soil	10	-
16	3/15/2016	7008	EB	24	14	-	-	soil	15	-

Appendix C – Photographs of Cores

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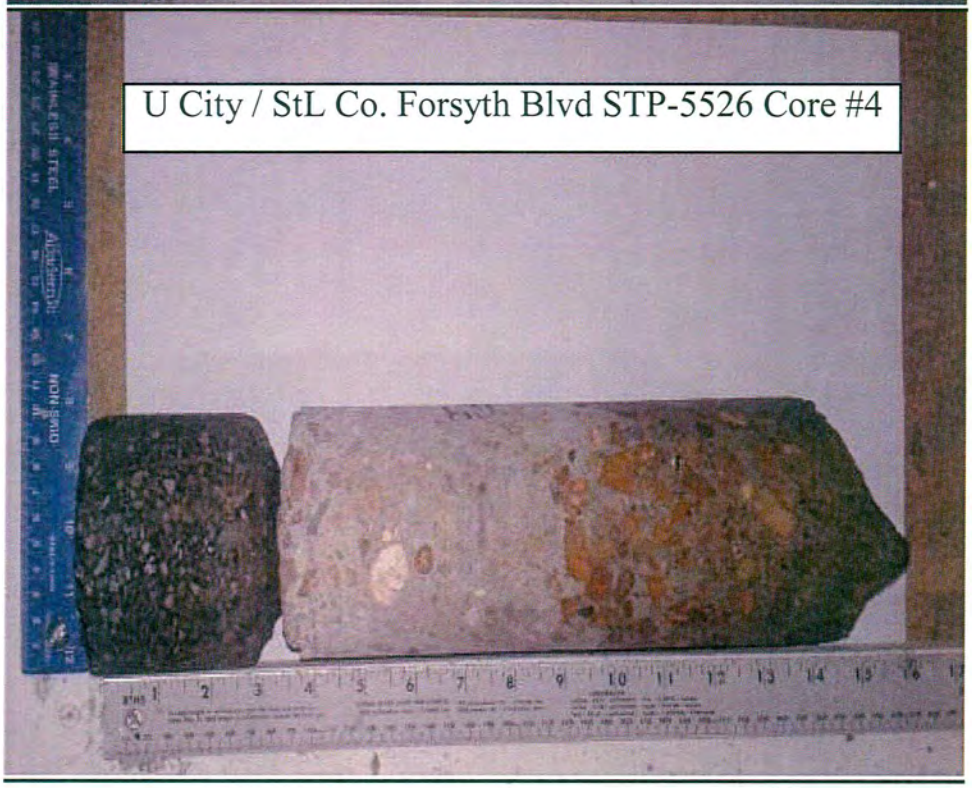

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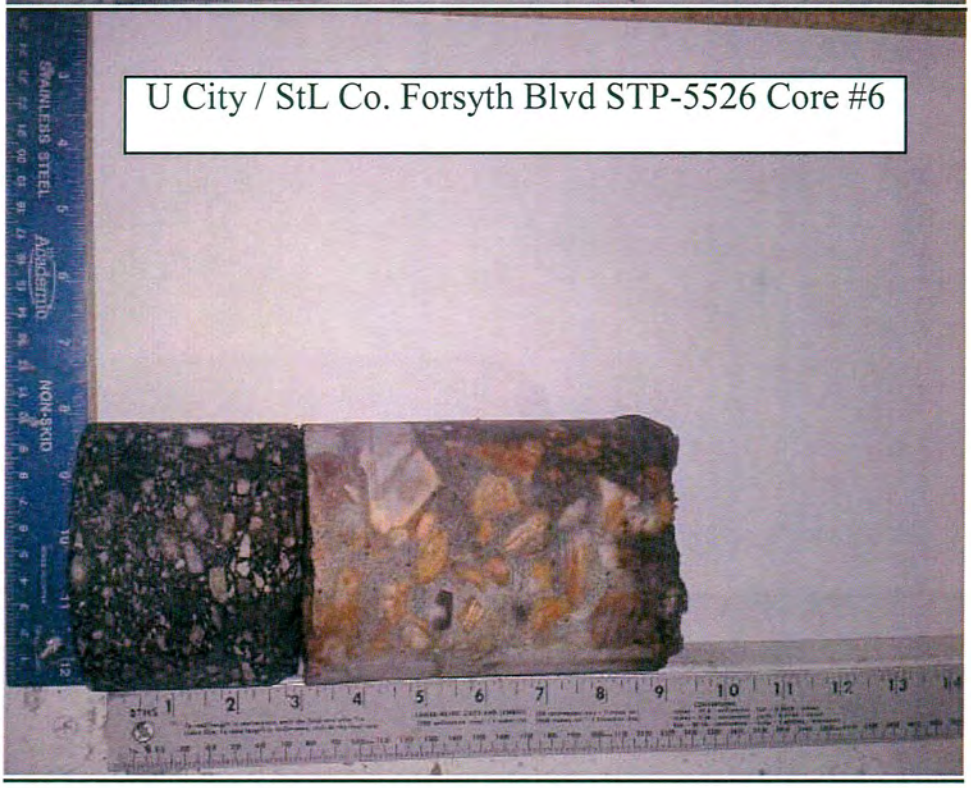

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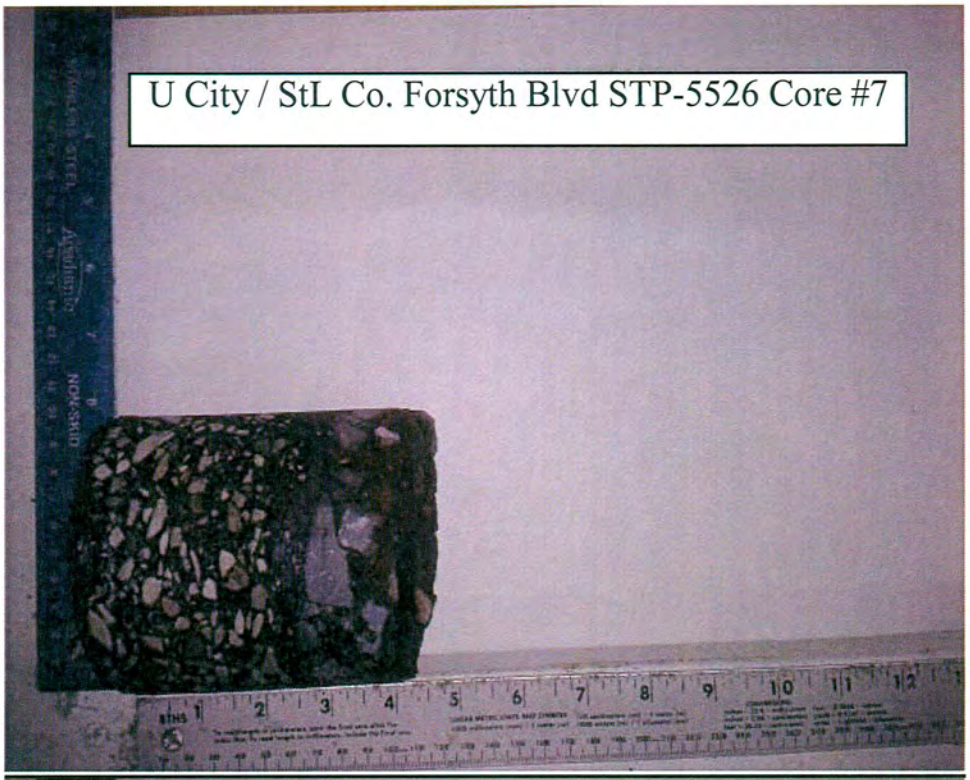

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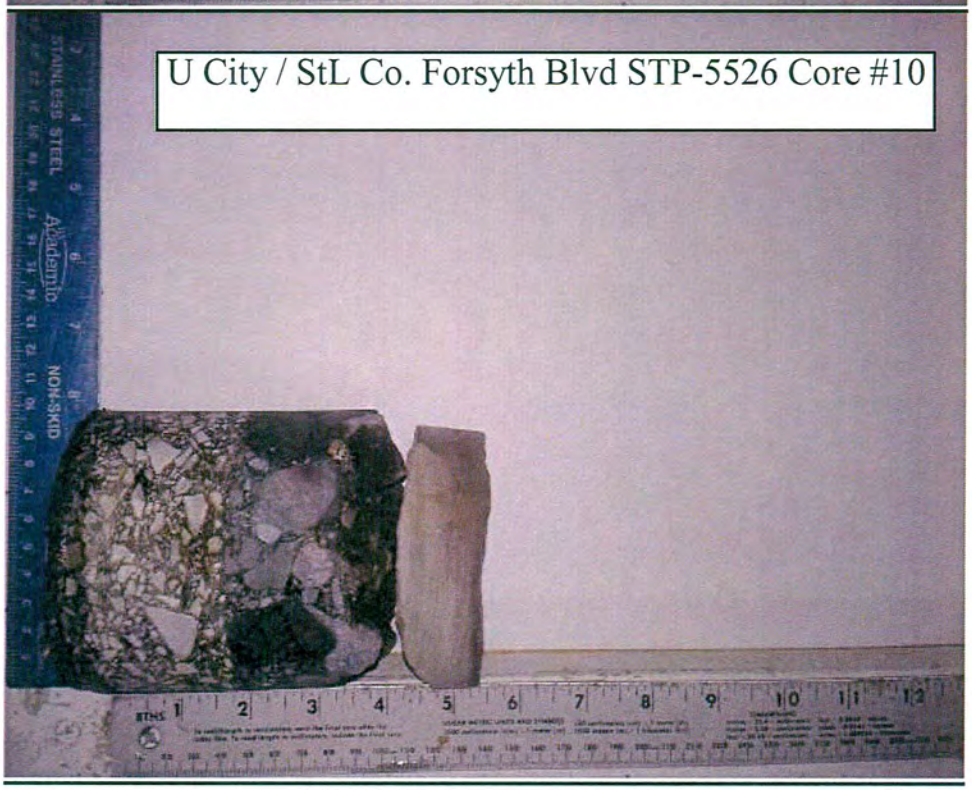

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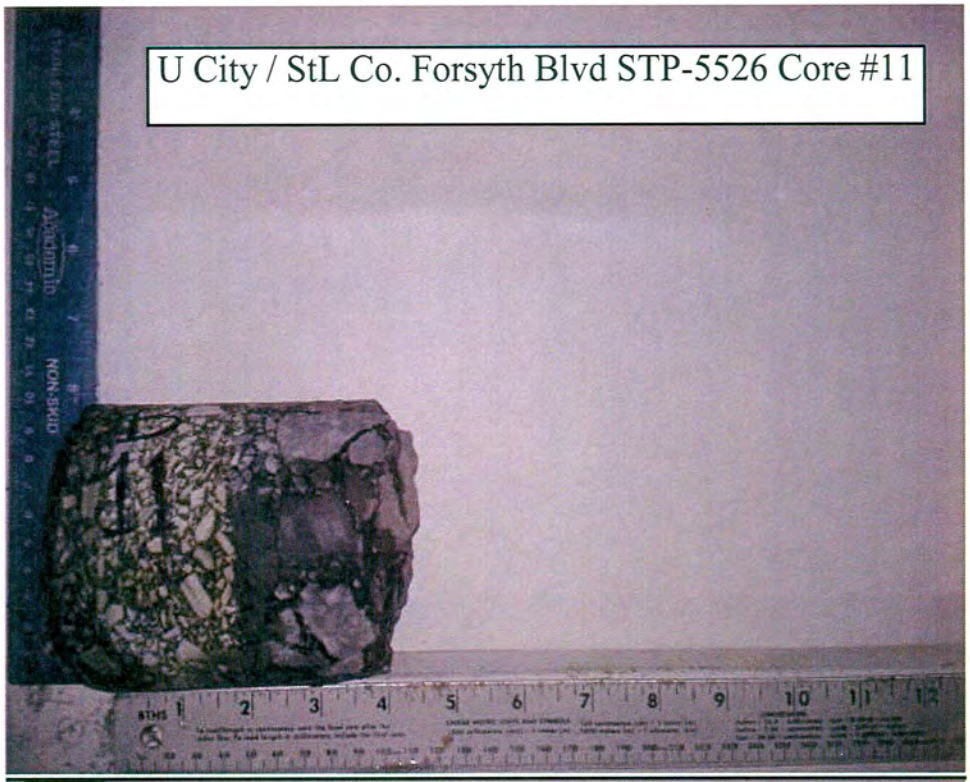

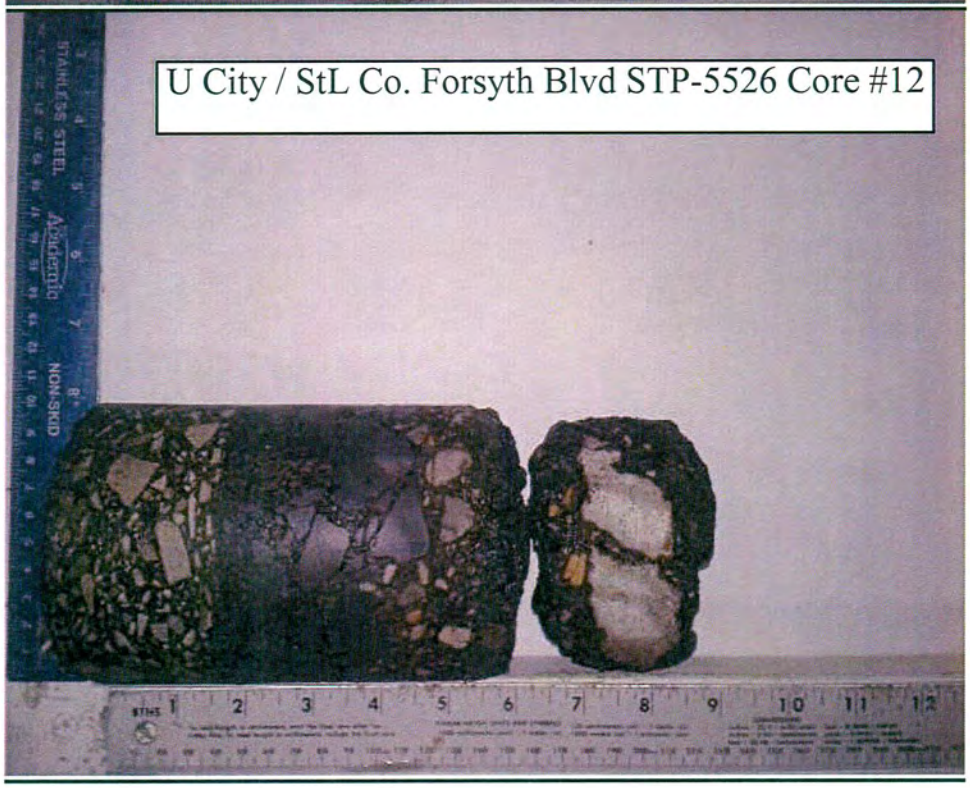

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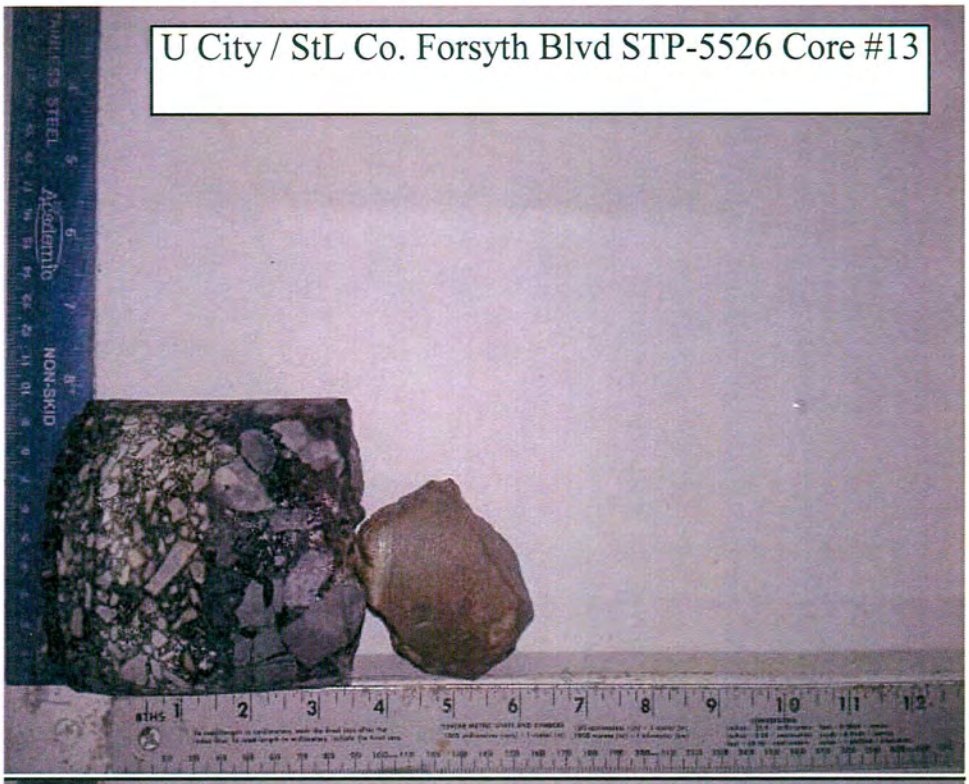

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