

Steven V. Stenger
County Executive

Saint Louis
COUNTY
HIGHWAYS & TRAFFIC
PUBLIC WORKS

Stephanie Leon Streeter, P.E.
Acting Director

February 27, 2015

ADDENDUM NO. 2

Notice to All Persons and Firms Proposing
to Submit a Bid or Furnish Materials for
Brentwood Boulevard Infrastructure
St. Louis County Project No. AR-1523
Federal Project No. STP-5577(633)

The construction contract for this project has been revised as follows:

No. 1

Replace “Itemized Bid Sheets” in the Bid Documents.

No. 2

Delete Plan Sheets No. 2A and 3A.

No. 3

Insert New Plan Sheets No. 2B and 3B.

No. 4

Replace Special Provision 100.10.2 “Completion of Project”.

**ATTENTION BIDDERS: CHECK THE ADDENDUM ACKNOWLEDGEMENT IN THE
BID DOCUMENTS AND COMPLETE APPROPRIATELY.**



Joseph Kulesa, P.E.
Supervisor, Project Managers

JWK:jlh

Attachments: Itemized Bid Sheets, Plan Sheets, Special Provision 100.10.2 “Completion of Project” and Addendum Acknowledgement (Please sign and return.)

ITEMIZED BID

FEDERAL PROJECT NO. STP-5577(633)
COUNTY PROJECT NO. AR-1523

PAGE 1 OF 5

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
ROADWAY ITEMS					
202-20.10	Removal of Improvements	L.S.	1		
202-22.30	Removal of Rigid Pavement	S.Y.	950.1		
203-10.00	Class "A" Excavation	C.Y.	455.1		
203-10.30	Land Disturbance Permits	L.S.	1		
304-05.04	Type 5 Aggregate Base (4" Thick)	S.Y.	4096.8		
404-09.09	Superpave Asphaltic Concrete Mixture SP95 (PG76-22)C	TON	4610.3		
404-12.76	Superpave Asphaltic Concrete Mixture SP125 (PG 76-22)CLP	TON	6915.5		
405-30.10	Type "C" Bituminous Concrete (Pavement)	TON	971.1		
405-30.20	Type "D" Bituminous Concrete (Pavement)	TON	105		
407-10.27	Tack-Emulsified Asphalt (SS-1H)	GAL.	16140		
412-10.04	Pavement Surfacing and Texturing (0" to 4"), Concrete or Asphalt	S.Y.	80888		
502-99.98	Remove and Replace Concrete Pavement (8" Non-reinforced), Includes Curb (Bonus/Penalty)	S.Y.	157		
509-12.08	Concrete Base (8" Reinforced)	S.Y.	42.7		

ITEMIZED BID

FEDERAL PROJECT NO. STP-5577(633)
COUNTY PROJECT NO. AR-1523

PAGE 2 OF 5

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
509-12.38	Concrete Base (8" Reinforced), Very Early Strength	S.Y.	50		
603-10.35	Adjust Water Service Valve Box to Grade	EACH	3		
604-20.26	Adjust Grate Inlet to Grade	EACH	3		
604-20.30	Adjusting Manhole to Grade	EACH	91		
604-90.40	Adjust Inlet Stone to Grade	EACH	7		
604-90.50	Replace Precast Inlet Stone and Adjust to Grade	EACH	8		
604-90.52	Replace Inlet Sill	EACH	6		
604-90.55	Replace Inlet Lid	EACH	6		
608-10.90	Remove and Replace Concrete Median/Island	S.Y.	340.6		
608-50.96	Remove and Replace Paved Approach (6")	S.Y.	16.7		
608-50.97	Remove and Replace Paved Approach (7")	S.Y.	181		
609-10.93	Remove and Replace Curb and Gutter (Various Widths), Vertical/Mountable	L.F.	1288		
609-20.11	Integral Curb (6" Height and Under)	L.F.	300		
609-20.90	Remove and Replace Integral Curb (6" Height and Under)	L.F.	1912		

ITEMIZED BID

FEDERAL PROJECT NO. STP-5577(633)
COUNTY PROJECT NO. AR-1523

PAGE 3 OF 5

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
609-30.10	Asphalt Curb	L.F.	73		
612-30.10	Standard Traffic Control Devices	L.S.	1		
612-60.92	Arrow Panel, Type "B" (Noiseless), Rental	EACH	8		
613-10.91	Joint Repair - Transverse, Very Early Strength	S.Y.	75		
613-20.20	Joint Repair - Longitudinal, Very Early Strength	S.Y.	75		
613-30.01	Partial Depth Pavement Repair, Type X Bituminous (Includes Milling, Concrete or Asphalt)	TON	365.9		
619-00.00	Mobilization	L.S.	1		
803-20.00	Strip Sodding	S.Y.	422		
806-45.00	Inlet Protection	L.S.	1		
	SUBTOTAL Roadway Items				
COUNTY TRAFFIC SIGNAL ITEMS					
904-24.01	Signal Head, Type 1S, Pedestrian	EACH	9		
904-27.15	Post, Signal, w/Sq. Pedestal Base, 15' Total Height, Aluminum	EACH	1		
904-28.07	Post, Signal, w/Sq. Pedestal Base and Post Cap, 7' Maximum Total Height, Aluminum	EACH	26		

ITEMIZED BID

FEDERAL PROJECT NO. STP-5577(633)
COUNTY PROJECT NO. AR-1523

PAGE 4 OF 5

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
904-49.20	Detector, Pedestrian Push Button, Freezeproof	EACH	33		
904-52.00	Conduit, 2"	L.F.	310		
904-74.99	Conduit Repair (locate broken conduit, excavate, remove existing cable, repair/replace conduit, reinstall cable, backfill and restore) (Does not include sidewalk or pavement removal and replacement)	EACH	1		
904-83.05	Cable, Signal, #14 Gauge, 5 Conductor	L.F.	330		
904-84.00	Wire, Stranded Ground, #6 Gauge	L.F.	550		
904-85.05	Cable, Detector Loop, #14 Gauge, 1 Conductor, w/Tube Jacket (In Conduit and Pull Boxes)	L.F.	4339		
904-85.06	Cable, Detector Loop, #14 Gauge, 1 Conductor, w/Tube Jacket (In Sawed Slot)	L.F.	24336		
904-85.18	Cable, Push Button and/or Detector Loop Lead-In, #18 Gauge, 2 Conductor (Shielded)	L.F.	4360		
904-90.17	Preformed Pull Box (17"W x 30"L x 26"min.H), Reinforced Polymer Concrete w/1' Concrete Apron	EACH	6		
904-91.43	Base, Type P-3, Concrete	EACH	26		
904-91.73	Base, Type C-3, Concrete	EACH	1		
904-95.10	Opening Drilled in Existing Concrete Pull Box	EACH	26		
904-95.31	Adjustment of Preformed Pull Box	EACH	17		
904-95.40	Adjustment of Concrete Single Pull Box	EACH	12		


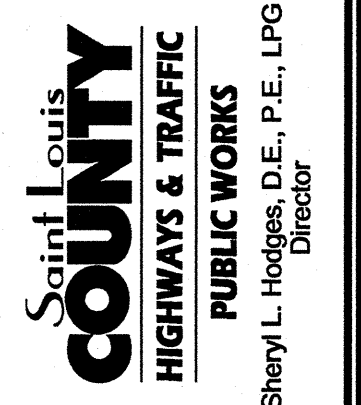
ITEMIZED BID

FEDERAL PROJECT NO. STP-5577(633)
COUNTY PROJECT NO. AR-1523

PAGE 5 OF 5

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
904-95.42	Adjustment of Concrete Double Pull Box	EACH	14		
904-98.60	Relocation of Existing Push Button	EACH	5		
	SUBTOTAL County Traffic Signal Items				
PEDESTRIAN AND BICYCLE ITEMS					
201-20.11	Clearing Vegetation from the Pedestrian Access Route	L.S.	1		
412-20.00	Sidewalk Grinding	EACH	20		
608-60.08	Concrete Sidewalk, Curb Ramp	EACH	127		
608-60.94	Remove and Replace Concrete Sidewalk (4" Thick)	S.Y.	1036.3		
608-60.96	Remove and Replace Concrete Sidewalk (6" Thick)	S.Y.	18.8		
608-60.99	Truncated Domes for Curb Ramps (Retrofit Construction)	S.F.	130		
	SUBTOTAL Pedestrian and Bicycle Items				
	PROJECT TOTAL				

SUMMARY OF QUANTITIES		BRENTWOOD BOULEVARD INFRASTRUCTURE ST. LOUIS COUNTY PROJECT NO. AR-1523 FEDERAL PROJECT NO. STP-5577(633)				REMARKS
SUBTOTAL	PROJECT TOTAL	UNIT	ITEM NO.	DESCRIPTION		
ROADWAY ITEMS						
1	1	L.S.	202-20.10	REMOVAL OF IMPROVEMENTS	Not shown on B sheets.	
950.1	950.1	S.Y.	202-22.30	REMOVAL OF RIGID PAVEMENT		
433.4	455.1	C.Y.	203-10.00	CLASS "A" EXCAVATION	Includes 5% extra for contingency.	
1	1	L.S.	203-10.30	LAND DISTURBANCE PERMIT		
3,901.7	4,096.8	S.Y.	304-05.04	TYPE 5 AGGREGATE BASE (4" Thick)	Includes 5% extra for contingency.	
4,390.8	4,610.3	TON	404-09.09	SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP95 (PG76-22)C	Includes 5% extra for contingency. Est. at 1" and 2.16 Ton/CY	
6,586.2	6,915.5	TON	404-12.72	SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP125 (PG76-22)CLP	Includes 5% extra for contingency. Est. at 1.5" and 2.16 Ton/CY	
924.9	971.1	TON	405-30.10	TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)	Includes 5% extra for contingency. Est. at 2.0" and 2.16 Ton/CY	
100.0	105.0	TON	405-30.20	TYPE "D" BITUMINOUS CONCRETE (PAVEMENT)	Includes 5% extra for contingency.	
15,368.0	16,140.0	S.Y.	405-30.25	ASPHALT PAVEMENT REPAIR	Item Removed	
80,888	80,888	GAL	407-10.27	TACK-EMULSIFIED ASPHALT (SS-1H)	Includes 5% extra for contingency. Est. at 0.05 Gal/SY	
157.0	157.0	S.Y.	412-10.04	PAVEMENT SURFACING AND TEXTURING (0" to 4"), CONCRETE OR ASPHALT		
42.7	42.7	S.Y.	502-99.98	REMOVE AND REPLACE CONCRETE PAVEMENT (8" REINFORCED), INCLUDES CURB		
50.0	50.0	S.Y.	509-12.08	CONCRETE BASE (8" REINFORCED)		
3	3	EACH	509-12.38	CONCRETE BASE (8" REINFORCED), VERY EARLY STRENGTH		
3	3	EACH	603-10.35	ADJUST WATER SERVICE VALVE BOX TO GRADE		
91	91	EACH	604-20.26	ADJUST GRATE INLET TO GRADE		
7	7	EACH	604-20.30	ADJUSTING MANHOLE TO GRADE		
8	8	EACH	604-90.40	ADJUST INLET STONE TO GRADE		
6	6	EACH	604-90.50	REPLACE PRECAST INLET STONE AND ADJUST TO GRADE		
6	6	EACH	604-90.52	REPLACE INLET SILL		
340.6	340.6	EACH	604-90.55	REPLACE INLET LID		
16.7	16.7	S.Y.	608-10.90	REMOVE AND REPLACE CONCRETE MEDIAN/ISLAND		
181.0	181.0	S.Y.	608-50.96	REMOVE AND REPLACE PAVED APPROACH (6")		
1,288.0	1,288.0	S.Y.	608-50.97	REMOVE AND REPLACE PAVED APPROACH (7")		
300.0	300.0	L.F.	609-10.93	REMOVE AND REPLACE CURB AND GUTTER (VARIOUS WIDTHS), VERTICAL/MOUNTABLE	Sawcutting, excavating and aggregate base are all incidental.	
1,912.0	1,912.0	L.F.	609-20.11	INTEGRAL CURB (6" HEIGHT AND UNDER)		
73.0	73.0	L.F.	609-20.90	REMOVE AND REPLACE INTEGRAL CURB (6" HEIGHT AND UNDER)		
1	1	L.F.	609-30.10	ASPHALT CURB		
1	1	L.S.	612-30.10	STANDARD TRAFFIC CONTROL DEVICES	Not shown on B sheets.	
8	8	EACH	612-60.92	ARROW PANEL, TYPE "B" (NOISELESS), RENTAL	Not shown on B sheets.	
75.0	75.0	S.Y.	613-10.91	JOINT REPAIR - TRANSVERSE, VERY EARLY STRENGTH		
75.0	75.0	S.Y.	613-20.20	JOINT REPAIR - LONGITUDINAL, VERY EARLY STRENGTH		
348.5	365.9	TON	613-30.01	PARTIAL DEPTH PAVEMENT REPAIR, TYPE X BITUMINOUS (INCLUDES MILLING, CONCRETE OR ASPHALT)	Includes 5% extra for contingency. Est. at 8" and 2.16 Ton/SY	
422.0	422.0	L.S.	819-00.00	MOBILIZATION	Not shown on B sheets.	
1	1	S.Y.	803-20.00	STRIP SODDING		
1	1	L.S.	806-45.00	INLET PROTECTION DEVICE	Not shown on B sheets.	
TRAFFIC SIGNAL ITEMS						
9	9	EACH	904-24.01	SIGNAL HEAD, TYPE 1S, PEDESTRIAN		
1	1	EACH	904-27.15	POST, SIGNAL, W/SQ PEDESTAL BASE, 15' TOTAL HEIGHT, ALUMINUM		
26	26	EACH	904-28.07	POST, SIGNAL, W/SQ PEDESTAL BASE, 7' MAXIMUM HEIGHT, ALUMINUM		
33	33	EACH	904-49.20	DETECTOR, PEDESTRIAN PUSH BUTTON, FREEZEPROOF		
310	310	L.F.	904-52.00	CONDUIT, 2"		
1	1	EACH	904-74.99	CONDUIT REPAIR (LOCATE BROKEN CONDUIT, EXCAVATE, REMOVE EXISTING CABLE, REPAIR/REPLACE CONDUIT, REINSTALL CABLE, BACKFILL AND RESTORE) (DOES NOT INCLUDE SIDEWALK OR PAVEMENT REMOVAL AND REPLACEMENT)		
330	330	L.F.	904-83.05	CABLE, SIGNAL, #14 GAUGE, 5 CONDUCTOR		
550	550	L.F.	904-84.00	WIRE, STRANDED GROUND, #6 GAUGE		
4,339.0	4,339.0	L.F.	904-85.05	CABLE, DETECTOR LOOP, #14 GAUGE, 1 CONDUCTOR, W/TUBE JACKET (IN 3/4" CONDUIT AND PULL BOXES)		
24,336.0	24,336.0	L.F.	904-85.06	CABLE, DETECTOR LOOP, #14 GAUGE, 1 CONDUCTOR, W/TUBE JACKET (IN SAWED SLOT)		
4,360.0	4,360.0	L.F.	904-85.18	CABLE, PUSH BUTTON AND/OR DETECTOR LOOP LEAD-IN, #18 GAUGE, 2 CONDUCTOR (SHIELDED)		
6	6	EACH	904-90.17	PREFORMED PULL BOX (17"W X 30"L X 26"MIN.H), REINFORCED POLYMER CONCRETE W/1' CONCRETE APRON		
26	26	EACH	904-91.43	BASE, TYPE P-3, CONCRETE		
1	1	EACH	904-91.73	BASE, TYPE C-3, CONCRETE		
26	26	EACH	904-95.10	OPENING DRILLED IN EXISTING CONCRETE PULL BOX		
17	17	EACH	904-95.31	ADJUSTMENT OF PREFORMED PULL BOX		
12	12	EACH	904-95.40	ADJUSTMENT OF CONCRETE PULL BOX		
14	14	EACH	904-95.42	ADJUSTMENT OF CONCRETE DOUBLE PULL BOX		
5	5	EACH	904-98.60	RELOCATION OF EXISTING PUSH BUTTON		
PEDESTRIAN AND BICYCLE ITEMS						
1	1.0	L.S.	201-20.11	CLEARING VEGETATION FROM THE PEDESTRIAN ACCESS ROUTE	Not shown on B sheets.	
20	20	EACH	412-20.00	SIDEWALK GRINDING		
127	127	EACH	608-60.08	CONCRETE SIDEWALK, CURB RAMP		
1,036.3	1,036.3	S.Y.	608-60.94	REMOVE AND REPLACE CONCRETE SIDEWALK (4" THICK)		
18.8	18.8	S.Y.	608-60.96	REMOVE AND REPLACE CONCRETE SIDEWALK (6" THICK)		
130.0	130.0	S.F.	608-60.99	TRUNCATED DOMES FOR CURB RAMPS (Retrofit Construction)		

COUNTY PROJECT NO. AR-1523
FEDERAL PROJECT NO. STP-5577(633)
E-W GATEWAY TIP NO. 6339-15
MSD: N/A
MSD BASE MAP: 20K, 21K
REVISIONS
REV. DATE BY APP. DESCRIPTION
1 2/18 ZH JWK ADDENDUM NO. 1
2 2/27 JWK JWK ADDENDUM NO. 2
DISCLAIMER OF RESPONSIBILITY I, the undersigned, hereby certify that the information furnished on this sheet is true and correct to the best of my knowledge and belief, and that I am a duly licensed Professional Engineer in the State of Missouri. I am not providing any design or engineering services for any part of the project or survey.

DATE: 2/27/2015
PREPARED BY: DESIGN DIVISION 121 SOUTH MERAMEC AVENUE ST. LOUIS, MISSOURI 63105 CLAYTON W. HESS, P.E. (314) 615-8543 JOSEPH W. KULESSA PROFESSIONAL ENGINEER LICENSE NO. 2010000841

BRENTWOOD BOULEVARD INFRASTRUCTURE SUMMARY OF QUANTITIES
DESIGNED: Z. HALILOVIC
DRAWN: Z. HALILOVIC
CHECKED: J.W. KULESSA
SHEET SEQUENCE: 2B OF 48

203-22.30 REMOVAL OF RIGID PAVEMENT				
As directed by the Engineer.				
LOCATION	QUANTITY	REMARKS		
	S.Y. (0.1)			
Brentwood Boulevard/Eager Road	793.1	For 8" concrete base repair		
	157.0	For removal of 8" concrete pavement		
TOTAL	950.1			

203-10.00 CLASS "A" EXCAVATION				
For base repairs, shoulder repairs, R&R 7" & 8" concrete pavement, and R&R 6" sidewalk.				
LOCATION	QUANTITY	REMARKS		
	C.Y.(0.1)			
Post Office on Brentwood Blvd.	12.4	For base repair, 42' X 24'		
Brentwood at Rosalie Avenue	3.0	For base repair, 12' X 20'		
Brentwood at vacant lot	2.3	For base repair, 14' X 13'		
Brentwood at Brentwood Place	3.3	For base repair, 9' X 10'		
2120 Brentwood Boulevard	1.5	For base repair, 10' X 12' (Mobil On The Run)		
2220 Brentwood Boulevard	9.9	For base repair, 67' X 12'		
2010 Brentwood Boulevard	1.6	For base repair, 14' X 9'		
North RR Tracks	2.3	For base repair, 31' X 6'		
South RR Tracks	3.0	For base repair, 11' X 22'		
2818 Brentwood Boulevard	0.4	For base repair, 6' X 6'		
2732 Brentwood Boulevard	0.4	For base repair, 6' X 6'		
Across from YMCA	0.4	For base repair, 6' X 6'		
Brentwood at Lawn Avenue	1.0	For base repair, 8' X 10'		
Brentwood at Pine Avenue	0.5	For base repair, 13' X 13'		
2119 Brentwood Boulevard	0.7	For base repair, 5' X 12'		
2223 Brentwood Boulevard	3.2	For base repair, 13' X 16'		
Brentwood at Bridgeport Avenue	6.5	For base repair, 44' X 12'		
2249 Brentwood Avenue	0.6	For base repair, 6' X 8'		
Brentwood at White Avenue	0.5	For base repair, 6' X 7'		
Brentwood Boulevard/Eager Road	34.6	Additional 8" concrete base repair, location to be determined by Engineer		
Brentwood Boulevard/Eager Road	218.7	For joint repair, location to be determined by Engineer		
Brentwood Boulevard/Eager Road	17.4	For removal and replacement of 8" concrete pavement, location to be determined by Engineer		
Brentwood Boulevard/Eager Road	37.8	For removal and replacement of concrete median, location to be determined by Engineer		
Brentwood Boulevard/Eager Road	23.8	For removal and replacement of 6" & 7" paved approaches		
Brentwood Boulevard	2.2	For removal and replacement of 6" sidewalk		
Brentwood Boulevard/Eager Road	45.4	For additional repairs as determined by Engineer		
TOTAL	433.4			

304-05.04 TYPE 5 AGGREGATE BASE (4" THICK)				
For use under 6" & 7" concrete pavement, 7" curb ramps, 6" sidewalks & bus stop pads, paved approaches, and concrete medians.				
LOCATION	QUANTITY	REMARKS		
	S.Y.(0.1)			
Post Office on Brentwood Blvd.	112.0	For base repair, 42' X 24'		
Brentwood at Rosalie Avenue	26.7	For base repair, 12' X 20'		
Brentwood at vacant lot	20.2	For base repair, 14' X 13'		
Brentwood at Brentwood Place	10.0	For base repair, 9' X 10'		
2120 Brentwood Boulevard	13.3	For base repair, 10' X 12' (Mobil On The Run)		
2220 Brentwood Boulevard	89.3	For base repair, 67' X 12'		
2010 Brentwood Boulevard	14.0	For base repair, 14' X 9'		
North RR Tracks	20.7	For base repair, 31' X 6'		
South RR Tracks	26.9	For base repair, 11' X 22'		
2818 Brentwood Boulevard	4.0	For base repair, 6' X 6'		
2732 Brentwood Boulevard	4.0	For base repair, 6' X 6'		
Across from YMCA	4.0	For base repair, 6' X 6'		
Brentwood at Lawn Avenue	8.9	For base repair, 8' X 10'		
Brentwood at Pine Avenue	18.8	For base repair, 13' X 13'		
2119 Brentwood Boulevard	6.7	For base repair, 5' X 12'		
2223 Brentwood Boulevard	23.1	For base repair, 13' X 16'		
Brentwood at Bridgeport Avenue	58.7	For base repair, 44' X 12'		
2249 Brentwood Avenue	5.3	For base repair, 6' X 8'		
Brentwood at White Avenue	4.7	For base repair, 6' X 7'		
Brentwood Boulevard	323.6	For additional 8" concrete base repair, location to be determined by Engineer		
2440, 2944 Brentwood	10.2	R&R 6" sidewalk (2 locations)		
Brentwood at RR	8.0	R&R 6" sidewalk		
Brentwood Boulevard/Eager Road	157.0	For removal and replacement of 8" concrete pavement, location to be determined by Engineer		
Brentwood Boulevard/Eager Road	340.6	For removal and replacement of concrete median, location to be determined by Engineer		
Brentwood Boulevard/Eager Road	214.6	For removal and replacement of 6" & 7" paved approaches		
Brentwood Boulevard/Eager Road	1968.4	For joint repair, location to be determined by Engineer		
Brentwood Boulevard/Eager Road	408.0	For additional repairs as determined by Engineer		
TOTAL	3901.7			

404-09.09 SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP95 (PG76-22)C				
Exact locations & quantities to be determined by the Engineer. Approximately 1" thick, estimated at 2.16 T/CY.				
LOCATION	FROM	TO	QUANTITY	REMARKS
			TON (0.1)	
Brentwood Boulevard	E.o.M. at I-64	Marshall	3778.76	Mainline
Eager Road	85' W of Brentwood	Brentwood Blvd	31.9	
Eager Road	300' E of I-170	750' W of Hanley	580.1	Mainline
TOTAL			4,390.8	

404-12.76 SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP125 (PG76-22)CLP				
Exact locations & quantities to be determined by the Engineer. Approximately 1.5" thick, estimated at 2.16 T/CY.				
LOCATION	FROM	TO	QUANTITY	REMARKS
			TON (0.1)	
Brentwood Boulevard	E.o.M. at I-64	Marshall	5668.1	Mainline
Eager Road	85' W of Brentwood	Brentwood Blvd	47.9	
Eager Road	300' E of I-170	750' W of Hanley	870.2	Mainline
TOTAL			6,586.2	

405-30.10 TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)				
Exact locations & quantities to be determined by the Engineer. Approximately 2" thick, Estimated at 2.16 T/CY.				
LOCATION	FROM	TO	QUANTITY	REMARKS
			TON (0.1)	
Brentwood Boulevard			15.5	Approach at Agnes Avenue
Brentwood Boulevard			16.2	Approach at Evans Avenue
Brentwood Boulevard			55.5	Approach at Wrenwood Lane
Brentwood Boulevard			160.2	Approach at Strassner Drive
Brentwood Boulevard			17.5	Approach at Lawn Avenue
Brentwood Boulevard			25.3	Approach at Pine Avenue
Brentwood Boulevard			16.5	Approach at Pine Avenue
Brentwood Boulevard			7.0	Approach at Moritz Avenue
Brentwood Boulevard			14.7	Approach at Brentwood Place
Brentwood Boulevard			7.9	Approach at Bridgeport Avenue
Brentwood Boulevard			14.0	Approach at Bridgeport Avenue
Brentwood Boulevard			19.8	Approach at White Avenue
Brentwood Boulevard			18.4	Approach at White Avenue
Brentwood Boulevard			14.3	Approach at Rosalie Avenue
Brentwood Boulevard			16.0	Approach at Harrison Avenue
Brentwood Boulevard			23.8	Approach at Eulalie Avenue
Brentwood Boulevard			15.5	Approach at Litzinger Road
Brentwood Boulevard			16.2	Approach at Madge Avenue
Brentwood Boulevard			18.2	Approach at Magdalen Avenue
Brentwood Boulevard			22.8	Approach at Powell Avenue
Brentwood Boulevard			4.1	Approach at Anna Avenue
Brentwood Boulevard			17.2	Approach at Pendelton Avenue
Brentwood Boulevard			19.2	Approach at Pendelton Avenue
Brentwood Boulevard			13.4	Approach at Russell Avenue
Eager Road			95.1	Approach at Brentwood Promenade Ct 500' East of I-170
Eager Road			109.0	Approach at Brentwood Promenade Ct 900' East of I-170
Eager Road			58.3	Approach at Hanley Industrial Court
Eager Road			93.3	Approach at Musick Memorial Drive
TOTAL			924.9	

405-30.20 TYPE "D" BITUMINOUS CONCRETE (PAVEMENT)				
Exact locations & quantities to be determined by the Engineer. Estimated at 2.16 T/CY.				
LOCATION	QUANTITY	REMARKS		
	TON (0.1)			
Brentwood Boulevard/Eager Road	50.0	Locations to be determined by Engineer		
	50.0	Locations to be determined by Engineer		
TOTAL	100.0			

613-30.01 PARTIAL DEPTH PAVEMENT REPAIR, TYPE X BITUMINOUS (INCLUDES MILLING, CONCRETE OR ASPHALT)				
Exact locations & quantities to be determined by the Engineer.				
LOCATION	QUANTITY	REMARKS		
	S.Y. (0.1)			
Brentwood Boulevard/Eager Road	348.5	8" Repair depth, Locations to be determined by Engineer		
TOTAL	348.5			

407-10.27 TACK-EMULSIFIED ASPHALT (SS-1H)				
Estimated at 0.10 Gal / S.Y.				
LOCATION	QUANTITY	REMARKS		
	GAL. (10)			
Brentwood Boulevard/Eager Road	15,368	Locations to be determined by Engineer		
TOTAL	15,368			

412-10.04 PAVEMENT SURFACING AND TEXTURING (0" to 4"), CONCRETE OR ASPHALT				
Includes butt joints and side streets as directed by the Engineer.				
LOCATION	QUANTITY	REMARKS		
	S.Y. (1.0)			
Brentwood Boulevard	62980	Superpave Areas, Approximately 2.5" depth.		
Eager Road	10,201	Superpave Areas, Approximately 2.5" depth.		
Brentwood Boulevard/Eager Road	7,707	Approach Areas, Approximately 2" depth.		
TOTAL	80,888			

COUNTY PROJECT NO. AR-1523
 FEDERAL PROJECT NO. STP-5577(633)
 E-W GATEWAY TIP NO. 6339-15
 MSD: N/A
 MSD BASE MAP: 20K, 21K

REVISIONS

REV	DATE	BY	APP	DESCRIPTION
1	2/18	JWK		ADDENDUM NO. 1
2	2/27	JWK		ADDENDUM NO. 2

DISCLAIMER OF LIABILITY: I hereby certify that the information contained herein was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer in the State of Missouri. My seal and signature are limited to this sheet, and I accept no responsibility for any other drawings, specifications, estimates, reports or other documents prepared by me or my staff relating to or intended to be used for any part of the engineering project or survey.

JOSEPH W. KULESSA
 NUMBER PE-201000841
 PROFESSIONAL ENGINEER

DATE: 2/27/2015

DESIGN DIVISION
 121 SOUTH MERAMEC AVENUE
 CLAYTON, MISSOURI 63105
 (314) 615-5643

JOSEPH W. KULESSA
 PROFESSIONAL ENGINEER
 LICENSE NO. 201000841

Sheryl L. Hodges, D.E., P.E., LPG
 Director
 PUBLIC WORKS
 HIGHWAYS & TRAFFIC

BRENTWOOD BOULEVARD INFRASTRUCTURE
 DETAILED QUANTITIES
 1 OF 8

DESIGNED: Z. HALILOVIC
 DRAWN: Z. HALILOVIC
 CHECKED: J.W. KULESSA
 SHEET SEQUENCE: 3B OF 48

100.10.2 COMPLETION OF PROJECT

- A. The work on this project shall commence on the date specified in the "Notice To Proceed" and completed no later than November 30, 2015. Due to seasonal limitations, sodding and crack sealing may be completed after the dates shown on the schedule.

Liquidated damages in the amount of \$1225.00 per day will be charged after the expiration of the time stipulated for each and every calendar day that all work remains uncompleted.
- B. The Contractor shall begin paving operations within twenty four (24) hours of the completion of milling operations, or as directed by the engineer on Brentwood Boulevard. An additional \$500.00 per calendar day will be charged for each day after the expiration of the twenty-four (24) hour period specified has passed.
- C. The Contractor shall have the replacement loop detectors in place and operational within five (5) working days after the replacement of pavement or the final lift of asphalt has been completed at each signal or as otherwise directed by the engineer. An additional \$500.00 per calendar day will be charged for each day after the expiration of the five (5) working day period specified for the beginning of the installation of the loop detectors has passed.
- D. An additional \$200.00 per hour will be charged should temporary striping/markings not begin within the time limits specified in section 621.3.2 of the "St. Louis County Standard Specifications for Highway Construction".

February 27, 2015

ADDENDUM ACKNOWLEDGEMENT

ADDENDUM NO. 2

FROM: St. Louis County Department of Highways and Traffic

RE: Brentwood Boulevard Infrastructure
St. Louis County Project No. AR-1523
Federal Project No. STP-5577(633)

PACKAGE INCLUDES THIS ACKNOWLEDGEMENT, ADDENDUM NOTICE, REVISED PLAN SHEETS, REVISED ITEMIZED BID SHEETS, AND REVISED SPECIAL PROVISION 100.10.2 “Completion of Project”.

(10 pages total)

IF YOU DID NOT RECEIVE ALL PAGES, CALL (314) 615-8569.

UPON RECEIPT OF THIS PACKAGE, **PLEASE SIGN AND DATE** (IN THE INDICATED LOCATIONS BELOW), AND **FAX THIS ACKNOWLEDGEMENT TO THE DEPARTMENT OF HIGHWAYS & TRAFFIC AT (314) 615-8194** (Attn: [Zenija Halilovic](#), DESIGN DIVISION) TO VERIFY RECEIPT

COMPANY _____

RECEIVED BY _____

DATE _____