

*Charlie A. Dooley*  
*County Executive*

**Saint Louis**  
**COUNTY**  
**HIGHWAYS & TRAFFIC**  
**PUBLIC WORKS**

*Sheryl L. Hodges, D.E., P.E., L.P.G.*  
*Director*

July 19, 2018

**ADDENDUM NO. 2**

Notice to All Persons and Firms Proposing  
to Submit a Bid or Furnish Materials for  
Sappington Road Infrastructure  
St. Louis County Project No. AR-1212  
Federal Project No. STP-4900(622)

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

**No. 1**

Delete Page 231 of 244 of the Construction Contract and Specifications.

**No. 2**

Insert New Page 231A of 244 of the Construction Contract and Specifications.

**No. 3**

Delete Sheet 2 of 60 of the Construction Plans.

**No. 4**

Insert Sheet 2A of 60 of the Construction Plans.

**No. 5**

Delete Sheet 3A of 60 of the Construction Plans.

**No. 6**

Insert Sheet 3B of 60 of the Construction Plans.


**No. 7**

Delete Sheet 4 of 60 of the Construction Plans.

**No. 8**

Insert Sheet 4A of 60 of the Construction Plans.

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

  
for Daniel R. Naunheim, P.E.  
Division Manager, Design

DRN/DJF/jlh

*Attachments: Page 231A of 244, Sheet 2A of 60, Sheet 3B of 60, Sheet 4A of 60,  
and Addendum Acknowledgement (**Please sign and return.**)*

Saint Louis  
**COUNTY**  
HIGHWAYS & TRAFFIC

July 19, 2013

ADDENDUM FAX COVER LETTER

ADDENDUM NO. 2

FROM: St. Louis County Department of Highways and Traffic

RE: Sappington Road Infrastructure  
St. Louis County Project No. AR-1212  
Federal Project No. STP-4900(622)

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

NUMBER OF PAGES (Including Cover Letter): Seven (7)

IF YOU DO NOT RECEIVE ALL PAGES, CALL (314) 615-8543.

PLEASE DELIVER TO RECIPIENT AS SOON AS POSSIBLE.

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UPON RECEIPT OF THIS FAX TRANSMISSION, **PLEASE SIGN AND DATE** (IN THE INDICATED LOCATIONS BELOW), AND **FAX THIS ACKNOWLEDGEMENT TO THIS DEPARTMENT AT 615-7648** (Attn: DESIGN DIVISION) TO VERIFY RECEIPT

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COMPANY \_\_\_\_\_  
RECEIVED BY \_\_\_\_\_  
DATE \_\_\_\_\_

## ITEMIZED BID

FEDERAL PROJECT NO. STP-4900(622)

COUNTY PROJECT NO. AR-1212

PAGE 1 OF 6

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>ROADWAY ITEMS</b>					
201-20.16	Tree Removal, Over 15"	EACH	2		
202-20.10	Removal of Improvements	L.S.	1		
203-10.00	Class "A" Excavation	C.Y.	75.2		
203-10.30	Land Disturbance Permits	L.S.	1		
304-05.04	Type 5 Aggregate Base (4" Thick)	S.Y.	677.5		
* 404-12.76	Superpave Asphaltic Concrete SP125(PG 76-22) CLP	TON	12,471.9		
405-30.10	Type "C" Bituminous Pavement	TON	377.3		
405-30.20	Type "D" Bituminous Concrete (Pavement)	TON	132.2		
407-10.27	Tack Emulsified Asphalt (SS-1H)	GAL.	9,040		
412-10.02	Pavement Surfacing and Texturing (0" to 2"), Concrete or Asphalt	S.Y.	90,340		
412-20.00	Sidewalk Grinding	EACH	80		
502-11.78	Remove & Replace Concrete Pavement (8", NR), Includes Curbs	S.Y.	11.2		
604-20.26	Adjust Grate Inlet to Grade	EACH	2		
604-20.30	Adjusting Manhole to Grade	EACH	14		

\* Item No. 404-12.76, Superpave Asphaltic Concrete SP125 (PG 76-22) CLP, quantity increased per Addendum No. 2

Item No. 404-09.04, Superpave Asphaltic Concrete SP95 (PG 70-22) D, deleted per Addendum No. 2



SUMMARY OF QUANTITIES		SAPPINGTON ROAD INFRASTRUCTURE ST. LOUIS COUNTY PROJECT NO. AR-1212 FEDERAL PROJECT NO. STP-4900 (622)				REMARKS
SUBTOTAL	PROJECT TOTAL	UNIT	ITEM NO.	DESCRIPTION		
				<b>ROADWAY ITEMS</b>		
2	2	EACH	201-20.16	TREE REMOVAL, OVER 15"	Located (one each) at 824 & 8861 Sappington; approx 20" diameter as directed by Engineer	
1	1	L.S.	202-20.10	REMOVAL OF IMPROVEMENTS		
97.4	107.1	C.Y.	203-10.00	CLASS "A" EXCAVATION	10% added. Includes Removal of Bituminous Concrete pavement.	
1	1	L.S.	203-10.30	GRADING PERMIT		
876.7	964.4	S.Y.	304-05.04	TYPE 5 AGGREGATE BASE (4" Thick)	Includes 10% additional.	
11,338.1	12,471.9	TON	404-12.76	SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP125 (PG 76-22) CLP $\Delta$	Estimated at 2" thick and 2.16 T/ CY. Includes shoulders. 10% added.	
343.0	377.3	TON	405-30.10	TYPE "C" BITUMINOUS PAVEMENT	Includes 10% additional	
110.2	132.2	TON	405-30.20	TYPE "D" BITUMINOUS CONCRETE (PAVEMENT)	As directed by Engineer, 20% additional shown.	
9,040	9,040	GAL	407-10.27	TACK-EMULSIFIED ASPHALT (SS-1H)	Estimated at 0.10 Gallon / SY.	
90,340	90,340	S.Y.	412-10.02	PAVEMENT SURFACING AND TEXTURING (0" - 2"), CONCRETE OR ASPHALT	Includes drive approaches as directed. Specialized equipment may be required.	
80	80	EACH	412-20.00	SIDEWALK GRINDING	As directed by Engineer.	
11.2	11.2	S.Y.	502-11.78	REMOVE AND REPLACE CONCRETE PAVEMENT (8", NON-REINFORCED), INCLUDES CURBS		
2	2	EACH	604-20.26	ADJUST GRATE INLET TO GRADE		
14	14	EACH	604-20.30	ADJUSTING MANHOLE TO GRADE		
3	3	EACH	604-21.95	REPLACE PRECAST INLET TOP		
3	3	EACH	604-90.40	ADJUST INLET STONE TO GRADE		
6	6	EACH	604-90.50	REPLACE PRECAST INLET TOP AND ADJUST TO GRADE		
4	4	EACH	604-90.54	CLEAN STORM SEWER DRAINAGE STRUCTURE		
55.1	55.1	S.Y.	608-10.90	REMOVE AND REPLACE CONCRETE MEDIAN / ISLAND	Includes sawcutting and dowel bars.	
8.0	8.0	S.Y.	608-50.96	REMOVE AND REPLACE PAVED APPROACH (6")	Includes sawcutting.	
16.7	16.7	S.Y.	608-50.97	REMOVE AND REPLACE PAVED APPROACH (7")	Includes sawcutting.	
1,540.9	1,540.9	S.Y.	608-60.94	REMOVE AND REPLACE CONCRETE SIDEWALK (4" THICK)	Includes sawcutting.	
31.0	31.0	S.Y.	608-60.96	REMOVE AND REPLACE CONCRETE SIDEWALK (6" THICK)	Includes sawcutting.	
505.0	505.0	S.Y.	608-60.97	REMOVE AND REPLACE CONCRETE SIDEWALK, CURB RAMP (7" Thick)	Includes sawcutting.	
788	788	S.F.	608-60.98	TRUNCATED DOMES FOR CURB RAMPS (New Construction)		
306	306	S.F.	608-60.99	TRUNCATED DOMES FOR CURB RAMPS (Retrofit Construction)		
10	10	L.F.	609-10.10	CONCRETE CURB, TYPE "S"		
1,174	1,174	L.F.	609-10.93	REMOVE AND REPLACE CURB & GUTTER (VARIOUS WIDTHS), VERTICAL/ MOUNTABLE	Includes all 6" Vertical Curb (R&R items and curb ramp reconstruction). Includes aggregate	
1	1	L.S.	612-30.10	STANDARD TRAFFIC CONTROL DEVICES	Not shown on B sheets.	
7	7	EACH	612-60.92	ARROW PANEL, TYPE "B" (NOISELESS), RENTAL	Not shown on B sheets.	
1	1	L.S.	619-00.00	MOBILIZATION		
927	1,020	S.Y.	803-20.00	STRIP SODDING	10% added.	
1	1	L.S.	806-45.00	INLET PROTECTION	Not shown on B sheets.	
				<b>COUNTY TRAFFIC SIGNAL ITEMS</b>		
1	1	EACH	904-01.14	SIGNAL HEAD, TYPE 4T w/ ALL LED ILLUMINATION		
4	4	EACH	904-05.43	SIGNAL HEAD, TYPE 3B w/ BP, TERMINAL COMPARTMENT AND ASTRO BRACKET MOUNTING w/ ALL LED ILLUMINATION		
1	1	EACH	904-05.44	SIGNAL HEAD, TYPE 4B w/ BP, TERMINAL COMPARTMENT AND ASTRO BRACKET MOUNTING w/ ALL LED ILLUMINATION		
2	2	EACH	904-24.01	SIGNAL HEAD, TYPE 1S, PEDESTRIAN, w/ "HAND-WALKING PERSON" SYMBOL (16" x 18") w/ ALL LED ILLUMINATION		
1	1	EACH	904-27.15	POST, SIGNAL, w/ SQ. PEDESTAL BASE, 15' TOTAL HEIGHT, ALUMINUM		
1	1	EACH	904-32.22	19' POLE, w/ 22' MAST ARM, STEEL		
1	1	EACH	904-32.32	19' POLE, w/ 32' MAST ARM, STEEL		
1	1	EACH	904-43.48	CONTROLLER, FULLY ACTUATED, (8 PHASE TIMER IN ALUMINUM CABINET APPROX. 58"H x 30" W x 17"D WIRED FOR 4PHASE OPERATION) w/ INTERNAL FIBER OPTIC MODEM AND TERMINATION HOUSING, TS2, TYPE 2		
2	2	EACH	904-49.20	DETECTOR, PEDSTRAIN PUSH BUTTON, FREEZEPROOF		
1	1	EACH	904-49.35	DETECTOR, VEHICLE INDUCTION LOOP, CARD RACK MTG., 2 CHANNEL w/ DELAY & EXTENSION TIMING & RELAY OUTPUTS		
192	192	L.F.	904-51.00	CONDUIT, 1"		
15	15	L.F.	904-51.50	CONDUIT, 1 1/2"		
422	422	L.F.	904-52.00	CONDUIT, 2"		
191	191	L.F.	904-54.00	CONDUIT, 4"		
1	1	EACH	904-74.99	CONDUIT REPAIR (LOCATE BROKEN CONDUIT, EXCAVATE, REMOVE EXISTING CABEL, REPAIR/ REPLACE CONDUIT, REINSTALL CABLE, BACKFILL AND RESTORE). (DOES NOT INCLUDE SIDEWALK OR PAVEMENT R & R)		
300	300	L.F.	904-82.06	CABLE, POWER, #6 GAUGE, 1 CONDUCTOR		
1,420	1,420	L.F.	904-83.05	CABLE, SIGNAL, #14 GAUGE, 5 CONDUCTOR		
1,000	1,000	L.F.	904-83.07	CABLE, SIGNAL, #14 GAUGE, 7 CONDUCTOR		
70	70	L.F.	904-84.00	WIRE, STRANDED GROUND, #6 GAUGE		
1,420	1,420	L.F.	904-85.05	CABLE DETECTOR LOOP, #14 GAUGE, 1 CONDUCTOR, W/ TUBE JACKET (IN CONDUIT AND PULL BOXES)		
16,240	16,240	L.F.	904-85.06	CABLE DETECTOR LOOP, #14 GAUGE, 1 CONDUCTOR, W/ TUBE JACKET (IN SAWED SLOT)		
14,946	14,946	L.F.	904-85.18	CABLE, PUSH BUTTON AND/ OR DETECTOR LOOP LEAD-IN, #18 GAUGE, 2 CONDUCTOR (SHIELDED)		
2	2	EACH	904-88.01	PULL BOX, SINGLE, CONCRETE		
3	3	EACH	904-90.17	PREFORMED PULL BOX (17"W x 30"L x 26" MIN. H), REINFORCED POLYMER CONCRETE w/ 1' CONCRETE APRON		
1	1	EACH	904-91.56	BASE, TYPE B-6, CONCRETE		
1	1	EACH	904-91.57	BASE, TYPE B-7, CONCRETE		
1	1	EACH	904-91.73	BASE, TYPE C-3, CONCRETE		
1	1	EACH	904-91.84	BASE, TYPE D-4PH, CONCRETE		
31	31	EACH	904-95.10	OPENING DRILLED IN EXISTING CONCRETE PULL BOX		
3	3	EACH	904-95.40	ADJUSTMENT OF CONCRETE PULL BOX	Located at Sappington & Denny Rd., Sappington & Twincrest Dr., and Sappington & Reco Ave.	
3	3	EACH	904-96.20	REMOVAL OF CONCRETE BASE		
1	1	EACH	904-97.33	REMOVAL OF EXISTING CONTROLLER CABINET		
2	2	EACH	904-97.41	REMOVAL OF MAST ARM		
1	1	EACH	904-98.81	RELOCATION OF EXISTING HARD WIRE INTERCONNECT CABLE		
1	1	EACH	904-98.99	RELOCATION OF EXISTING POWER SUPPLY ASSEMBLY		

COUNTY PROJECT NO.  
AR-1212

FEDERAL PROJECT NO.  
STP-4900(622)

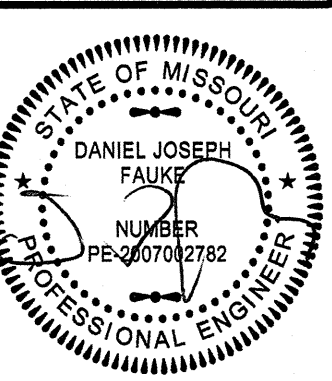
E-W GATEWAY TIP NO.  
5261-13

MSD:

MSD BASE MAP:

REV	DATE	BY	APP.	DESCRIPTION
1	5-9-13			ModDOT Comments
2	7-19-13			Revised Quantity

DISCLAIMER OF RESPONSIBILITY  
I hereby specify that the documents intended to be limited to this sheet, and I hereby disclaim any responsibility for all other documents or instruments relating to or intended to be engineering project or survey



DATE: July 19, 2013

PREPARED BY:  
DESIGN DIVISION  
121 SOUTH MERAMEC AVENUE  
7TH FLOOR  
CLAYTON, MISSOURI 63105  
(314) 615-8543  
DANIEL JOSEPH FALKE  
PROFESSIONAL ENGINEER  
LICENSE NO. 2007002782

Saint Louis  
**COUNTY**  
HIGHWAYS & TRAFFIC  
PUBLIC WORKS  
Sheryl L. Hodges, D.E., P.E., L.P.C.  
Director

SAPPINGTON ROAD  
INFRASTRUCTURE  
SUMMARY OF QUANTITIES

DESIGNED: DJF

DRAWN: DJF

CHECKED:

SHEET SEQUENCE:  
2A OF 60



201-20.16 TREE REMOVAL, OVER 15"				
As directed by the Engineer.				
LOCATION	DIRECTION (NB / SB)	QUANTITY EACH	REMARKS	
824 Sappington	NB	1	Approximately 20" diameter	
8861 Sappington	SB	1	Approximately 20" diameter	
<b>TOTAL</b>		<b>2</b>		

203-10.00 CLASS "A" EXCAVATION				
For base repairs, shoulder repairs, R&R concrete pavement, R&R paved approaches, R&R 6" & 7" sidewalk, R&R curb & gutter				
LOCATION	DIRECTION (NB / SB)	QUANTITY S.Y.(0.1)	QUANTITY C.Y.(0.1)	REMARKS
9230 Sappington	Northbound	9.4	1.0	R&R 8" Concrete Pavement (8.5' x 10' with 10' curb)
Sappington at Watson	Northbound	1.8	0.2	R&R 8" Concrete Pavement (1.5' x 11' near mall entrance)
Sappington at Watson	Northbound	55.1	6.1	R&R Median, N of Watson; (67' x 3') + (20' x 5') + (65' x 3')
9000 Sappington (at Craigwood Terr.)	Northbound	8.0	0.9	R&R 6" Paved Approach (6' x 12')
9078 Sappington (Masonic Lodge)	Northbound	16.7	1.9	R&R 7" Paved Approach (5' x 30')
Sappington north of Denny Rd	Northbound	4.4	0.5	R&R 6" sidewalk at north entrance Johnny's Market
9230 Sappington	Northbound	2.2	0.2	R&R 6" sidewalk
Sappington at Watson	Northbound	11.1	1.2	R&R 6" sidewalk at SE corner Sappington & Watson
St. Elizabeth School	Northbound	2.2	0.2	R&R 6" sidewalk
Sappington at Gravois	Southbound	14.7	1.6	R&R 7" curb ramp, SW corner
Sappington at Denny Rd	Southbound	27.8	3.1	R&R 7" curb ramp, SW corner
Sappington at Denny Rd	Southbound	7.0	0.8	R&R 7" curb ramp, NW corner
Sappington at Sappington Place	Southbound	12.6	1.4	R&R 7" curb ramp, SW corner
Sappington at Sappington Circle	Southbound	10.1	1.1	R&R 7" curb ramp, SW corner
Sappington at Sappington Circle	Southbound	15.7	1.7	R&R 7" curb ramp, NW corner
Sappington at Larkridge Lane	Southbound	13.6	1.5	R&R 7" curb ramp, NW corner
Sappington at Eddie & Park Rd	Southbound	15.2	1.7	R&R 7" curb ramp, SW corner
9021 Sappington (Long Elementary)	Southbound	2.6	0.3	R&R 7" curb ramp, Crosswalk at Long Elementary School
Sappington at Hartsdale Dr	Southbound	12.7	1.4	R&R 7" curb ramp, SW corner
Sappington at Yorkshire Estates	Southbound	6.4	0.7	R&R 7" curb ramp, SW corner
Sappington at Yorkshire Estates	Southbound	6.1	0.7	R&R 7" curb ramp, NW corner
Sappington at Carrimae Ct	Southbound	6.2	0.7	R&R 7" curb ramp, SW corner
Sappington at Carrimae Ct	Southbound	6.7	0.7	R&R 7" curb ramp, NW corner
Sappington at Gallop Lane	Southbound	6.7	0.7	R&R 7" curb ramp, SW corner
Sappington at Gallop Lane	Southbound	12.1	1.3	R&R 7" curb ramp, NW corner
Sappington at Twincrest Drive	Southbound	25.4	2.8	R&R 7" curb ramp, NW corner; entrance to Kohl's to Fire Station
Sappington at Rosaire Dr	Southbound	5.7	0.6	R&R 7" curb ramp, NW corner
Sappington at Rayburn Dr	Southbound	10.4	1.2	R&R 7" curb ramp, SW corner
Sappington at Rayburn Dr	Southbound	10.4	1.2	R&R 7" curb ramp, NW corner
Sappington at Reco Ave	Southbound	7.0	0.8	R&R 7" curb ramp, SW corner
Sappington at Reco Ave	Southbound	7.0	0.8	R&R 7" curb ramp, NW corner
1015 Sappington	Southbound	9.6	1.1	R&R 7" curb ramp, south of Grant's Trail
Sappington at Elmont Ln	Southbound	4.0	0.4	R&R 7" curb ramp, crosswalk at Elmont Ln
Sappington at Chatwood Terrace	Southbound	7.0	0.8	R&R 7" curb ramp, SW corner
Sappington at Big Bend	Southbound	8.1	0.9	R&R 7" curb ramp, island cut-through, SW quadrant
Sappington at Big Bend	Northbound	18.8	2.1	R&R 7" curb ramp, island cut-through, SE quadrant
Sappington at Big Bend	Northbound	3.9	0.4	R&R 7" curb ramp, SE corner
Sappington at Jo Ann Place	Northbound	9.8	1.1	R&R 7" curb ramp, NE corner
Sappington at Jo Ann Place	Northbound	7.6	0.8	R&R 7" curb ramp, SE corner
Sappington at Elmont Ln	Northbound	16.3	1.8	R&R 7" curb ramp, SE corner
Sappington north of Rosaire Dr	Northbound	3.4	0.4	R&R 7" curb ramp, crosswalk 100' north of Rosaire Dr
Sappington at Twincrest Drive	Northbound	9.8	1.1	R&R 7" curb ramp, NE corner
Sappington at Twincrest Drive	Northbound	12.2	1.4	R&R 7" curb ramp, SE corner
Sappington at Gallop Lane	Northbound	11.8	1.3	R&R 7" curb ramp, NE corner
Sappington at Gallop Lane	Northbound	6.7	0.7	R&R 7" curb ramp, SE corner
Sappington at Carrimae Ct	Northbound	6.1	0.7	R&R 7" curb ramp, SE corner
Sappington at Old Sappington Rd	Northbound	5.6	0.6	R&R 7" curb ramp, NE corner
Sappington at Old Sappington Rd	Northbound	36.6	4.1	R&R 7" curb ramp, island cut-through
Sappington at Hartsdale Dr	Northbound	3.7	0.4	R&R 7" curb ramp, crosswalk at Hartsdale Dr
Sappington at Pine Spray Court	Northbound	7.1	0.8	R&R 7" curb ramp, NE corner
Sappington at Craigwood Terrace	Northbound	5.8	0.6	R&R 7" curb ramp, NE corner
Sappington at Craigwood Terrace	Northbound	5.9	0.7	R&R 7" curb ramp, SE corner
Sappington at Garber Rd	Northbound	11.8	1.3	R&R 7" curb ramp, NE corner
9020 Sappington	Northbound	2.3	0.3	R&R 7" curb ramp, crosswalk 100' south of Garber
Sappington at Banyon Tree Ct	Northbound	5.9	0.7	R&R 7" curb ramp, NE corner
Sappington at Banyon Tree Ct	Northbound	12.2	1.4	R&R 7" curb ramp, SE corner
Sappington at Eddie & Park Rd	Northbound	7.2	0.8	R&R 7" curb ramp, NE corner
Sappington at Eddie & Park Rd	Northbound	6.4	0.7	R&R 7" curb ramp, SE corner
Sappington at Denny Rd	Northbound	10.6	1.2	R&R 7" curb ramp, NE corner
Sappington at Denny Rd	Northbound	3.0	0.3	R&R 7" curb ramp, SE corner
Sappington at Denny Rd	Northbound	3.7	0.4	R&R 7" curb ramp, crosswalk south of Denny Rd
Sappington	North / South	260.8	29.0	R&R curb & gutter; all locations, estimated 2.0' width, 4" depth
<b>TOTAL</b>			<b>97.4</b>	

304-05.04 TYPE 5 AGGREGATE (4" THICK)				
For use under 6" & 7" concrete pavement, 7" curb ramps, 6" sidewalks & bus stop pads, paved approaches, curb & gutter, and concrete medians.				
LOCATION	DIRECTION (NB / SB)	QUANTITY S.Y.(0.1)	REMARKS	
9230 Sappington	Northbound	9.4	R&R 8" Concrete Pavement (8.5' x 10' with 10' curb)	
Sappington at Watson	Northbound	1.8	R&R 8" Concrete Pavement (1.5' x 11' near mall entrance)	
Sappington at Watson	Northbound	55.1	R&R Concrete Median, N of Watson; (67' x 3') + (20' x 5') + (65' x 3')	
9000 Sappington (at Craigwood Terr.)	Northbound	8.0	R&R 6" Paved Approach (6' x 12')	
9078 Sappington (Masonic Lodge)	Northbound	16.7	R&R 7" Paved Approach (5' x 30')	
Sappington north of Denny Rd	Northbound	4.4	R&R 6" sidewalk at north entrance Johnny's Market	
9230 Sappington	Northbound	2.2	R&R 6" sidewalk	
Sappington at Watson	Northbound	11.1	R&R 6" sidewalk at SE corner Sappington & Watson	
St. Elizabeth School	Northbound	2.2	R&R 6" sidewalk	
Sappington at Gravois	Southbound	14.7	R&R 7" curb ramp, SW corner	
Sappington at Denny Rd	Southbound	27.8	R&R 7" curb ramp, SW corner	
Sappington at Denny Rd	Southbound	7.0	R&R 7" curb ramp, NW corner	
Sappington at Sappington Place	Southbound	12.6	R&R 7" curb ramp, SW corner	
Sappington at Sappington Circle	Southbound	10.1	R&R 7" curb ramp, SW corner	
Sappington at Sappington Circle	Southbound	15.7	R&R 7" curb ramp, NW corner	
Sappington at Larkridge Lane	Southbound	13.6	R&R 7" curb ramp, NW corner	
Sappington at Eddie & Park Rd	Southbound	15.2	R&R 7" curb ramp, SW corner	
9021 Sappington (Long Elementary)	Southbound	2.6	R&R 7" curb ramp, Crosswalk at Long Elementary School	
Sappington at Hartsdale Dr	Southbound	12.7	R&R 7" curb ramp, SW corner	
Sappington at Yorkshire Estates	Southbound	6.4	R&R 7" curb ramp, SW corner	
Sappington at Yorkshire Estates	Southbound	6.1	R&R 7" curb ramp, NW corner	
Sappington at Carrimae Ct	Southbound	6.2	R&R 7" curb ramp, SW corner	
Sappington at Carrimae Ct	Southbound	6.7	R&R 7" curb ramp, NW corner	
Sappington at Gallop Lane	Southbound	6.7	R&R 7" curb ramp, SW corner	
Sappington at Gallop Lane	Southbound	12.1	R&R 7" curb ramp, NW corner	
Sappington at Twincrest Drive	Southbound	25.4	R&R 7" curb ramp, NW corner; entrance to Kohl's to Fire Station	
Sappington at Rosaire Dr	Southbound	5.7	R&R 7" curb ramp, NW corner	
Sappington at Rayburn Dr	Southbound	10.4	R&R 7" curb ramp, SW corner	
Sappington at Rayburn Dr	Southbound	10.4	R&R 7" curb ramp, NW corner	
Sappington at Reco Ave	Southbound	7.0	R&R 7" curb ramp, SW corner	
Sappington at Reco Ave	Southbound	7.0	R&R 7" curb ramp, NW corner	
1015 Sappington	Southbound	9.6	R&R 7" curb ramp, south of Grant's Trail	
Sappington at Elmont Ln	Southbound	4.0	R&R 7" curb ramp, crosswalk at Elmont Ln	
Sappington at Chatwood Terrace	Southbound	7.0	R&R 7" curb ramp, SW corner	
Sappington at Big Bend	Southbound	8.1	R&R 7" curb ramp, island cut-through, SW quadrant	
Sappington at Big Bend	Northbound	18.8	R&R 7" curb ramp, island cut-through, SE quadrant	
Sappington at Big Bend	Northbound	3.9	R&R 7" curb ramp, SE corner	
Sappington at Jo Ann Place	Northbound	9.8	R&R 7" curb ramp, NE corner	
Sappington at Jo Ann Place	Northbound	7.6	R&R 7" curb ramp, SE corner	
Sappington at Elmont Ln	Northbound	16.3	R&R 7" curb ramp, SE corner	
Sappington north of Rosaire Dr	Northbound	3.4	R&R 7" curb ramp, crosswalk 100' north of Rosaire Dr	
Sappington at Twincrest Drive	Northbound	9.8	R&R 7" curb ramp, NE corner	
Sappington at Twincrest Drive	Northbound	12.2	R&R 7" curb ramp, SE corner	
Sappington at Gallop Lane	Northbound	11.8	R&R 7" curb ramp, NE corner	
Sappington at Gallop Lane	Northbound	6.7	R&R 7" curb ramp, SE corner	
Sappington at Carrimae Ct	Northbound	6.1	R&R 7" curb ramp, SE corner	
Sappington at Old Sappington Rd	Northbound	5.6	R&R 7" curb ramp, NE corner	
Sappington at Old Sappington Rd	Northbound	36.6	R&R 7" curb ramp, island cut-through	
Sappington at Hartsdale Dr	Northbound	3.7	R&R 7" curb ramp, crosswalk at Hartsdale Dr	
Sappington at Pine Spray Court	Northbound	7.1	R&R 7" curb ramp, NE corner	
Sappington at Craigwood Terrace	Northbound	5.8	R&R 7" curb ramp, NE corner	
Sappington at Craigwood Terrace	Northbound	5.9	R&R 7" curb ramp, SE corner	
Sappington at Garber Rd	Northbound	11.8	R&R 7" curb ramp, NE corner	
9020 Sappington	Northbound	2.3	R&R 7" curb ramp, crosswalk 100' south of Garber	
Sappington at Banyon Tree Ct	Northbound	5.9	R&R 7" curb ramp, NE corner	
Sappington at Banyon Tree Ct	Northbound	12.2	R&R 7" curb ramp, SE corner	
Sappington at Eddie & Park Rd	Northbound	7.2	R&R 7" curb ramp, NE corner	
Sappington at Eddie & Park Rd	Northbound	6.4	R&R 7" curb ramp, SE corner	
Sappington at Denny Rd	Northbound	10.6	R&R 7" curb ramp, NE corner	
Sappington at Denny Rd	Northbound	3.0	R&R 7" curb ramp, SE corner	
Sappington at Denny Rd	Northbound	3.7	R&R 7" curb ramp, crosswalk south of Denny Rd	
Sappington	North / South	260.8	R&R curb & gutter; all locations, estimated 2.0' width	
<b>TOTAL</b>		<b>876.7</b>		

404-09.04 SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP95 (PG70-22) D				
Exact locations & quantities to be determined by the Engineer. Estimated at 2.16 T/CY.				
LOCATION	FROM	TO	QUANTITY TON (0.1)	REMARKS
Sappington Rd	Gravois Rd	Big Bend Blvd	0.0	For use as wedge and level
<b>TOTAL</b>			<b>0.0</b>	

COUNTY PROJECT NO. AR-1212

FEDERAL PROJECT NO. STP-4900(622)

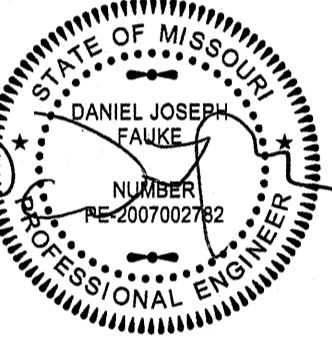
E-W GATEWAY TIP NO. 5261-13

MSD:

MSD BASE MAP:

REV	DATE	BY	APP	DESCRIPTION
1	5-9-13			MODOT Comments
2	7-17-13			Revised Bid Item
3	7-19-13			Revised Quantity

DISCLAIMER OF RESPONSIBILITY: I hereby specify that the documents intended to be limited to this sheet, and I hereby disclaim any responsibility for the use of these documents, reports or other instruments used for any part of the engineering project or survey.



DATE: July 19, 2013

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CLAYTON, MISSOURI 63105  
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DANIEL JOSEPH FALKE  
PROFESSIONAL ENGINEER  
LICENSE NO. 2007002782

Saint Louis  
**COUNTY**  
HIGHWAYS & TRAFFIC  
PUBLIC WORKS  
Sheryl L. Hodges, D.E., P.E., I.P.C.  
Director

SAPPINGTON ROAD INFRASTRUCTURE  
DETAILED QUANTITIES

DESIGNED: DJF

DRAWN: DJF

CHECKED:

SHEET SEQUENCE:  
3B OF 60



404-12.76 SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP125 (PG76-22)CLP				
Exact locations & quantities to be determined by the Engineer. Approximately 2" thick, estimated at 2.16 T/CY.				
LOCATION	FROM	TO	QUANTITY TON (0.1)	REMARKS
Sappington Rd	Gravois Rd	Watson Rd	6,087.4	For use on mainline pavement
	Watson Rd	Big Bend Blvd	4,220.0	For use on mainline pavement
	Gravois Rd	Big Bend Blvd	1,030.7	For cross-slope improvements as directed by the Engineer
<b>TOTAL</b>			<b>11,338.1</b>	<b>2</b>

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 TON (0.1)	REMARKS
Sappington Rd	Gravois Rd	Watson Rd	233.6	For use on side street approaches
Sappington Rd	Watson Rd	Big Bend Blvd	109.3	For use on side street approaches
<b>TOTAL</b>			<b>343.0</b>	

405-30.20 TYPE "D" BITUMINOUS CONCRETE (PAVEMENT)				
Exact locations & quantities to be determined by the Engineer. Estimated at 2.16 T/CY.				
LOCATION	DIRECTION (NB / SB)	QUANTITY TON (0.1)	REMARKS	
Sappington Rd north of Denny Rd	Northbound	10.0	For use on asphalt tree lawn along Jonny's Market (1" thick)	
Sappington Rd north of Denny Rd	Southbound	5.0	For use on asphalt tree lawn along Country Sq Cleaners (1" thick)	
Sappington Rd Gravois-Watson	North/ South	65.8	For use as overlay on drive approaches (1" thick)	
Sappington Rd Watson - Big Bend	North/ South	29.5	For use as overlay on drive approaches (1" thick)	
<b>TOTAL</b>		<b>110.2</b>		

407-10.27 TACK-EMULSIFIED ASPHALT (SS-1H)				
Estimated at 0.10 Gal / S.Y.				
LOCATION	FROM	TO	QUANTITY GAL. (10)	REMARKS
Sappington Rd	Gravois Rd	Watson Rd	5,380	
	Watson Rd	Big Bend Blvd	3,660	
<b>TOTAL</b>			<b>9,040</b>	

412-10.02 PAVEMENT SURFACING AND TEXTURING (0" - 2"), CONCRETE OR ASPHALT				
Approximately 2" depth. Includes butt joints and side streets as directed by the Engineer.				
LOCATION	FROM	TO	QUANTITY S.Y. (1.0)	REMARKS
Sappington Rd	Gravois Rd	Watson Rd	50,728	Mainline
			1,947	Side streets
			1,096	Drive approaches (may require specialized equipment)
Sappington Rd	Watson Rd	Big Bend Blvd	35,167	Mainline
			911	Side streets
			491	Drive approaches (may require specialized equipment)
<b>TOTAL</b>			<b>90,340</b>	

412-20.00 SIDEWALK GRINDING				
As directed by the Engineer.				
LOCATION	FROM	TO	QUANTITY (EACH)	REMARKS
Sappington Rd	Gravois Rd	Big Bend	80	Various Locations as Directed by the Engineer
<b>TOTAL</b>			<b>80</b>	

502.11.78 REMOVE & REPLACE CONCRETE PAVEMENT (8", NON-REINFORCED), INCLUDES CURBS				
Exact locations & quantities to be determined by the Engineer.				
LOCATION	DIRECTION (NB / SB)	QUANTITY S.Y. (0.1)	REMARKS	
9230 Sappington	Northbound	9.4	8.5' x 10' with 10' curb	
Sappington at Watson	Northbound	1.8	1.5' x 11'; north of Watson near mall entrance	
<b>TOTAL</b>		<b>11.2</b>		

604-20.26 ADJUST GRATE INLET TO GRADE				
Exact locations & quantities to be determined by the Engineer.				
LOCATION	DIRECTION (NB / SB)	QUANTITY EACH	REMARKS	
Sappington at Eddie & Park	Northbound	1	located in NE radius; also adjust side intake unit	
Sappington at Watson	Southbound	1	located at Watson Plaza	
<b>TOTAL</b>		<b>2</b>		

604-20.30 ADJUSTING MANHOLE TO GRADE				
Exact locations & quantities to be determined by the Engineer.				
LOCATION	DIRECTION (NB / SB)	QUANTITY EACH	REMARKS	
Sappington north of Denny Rd	Northbound	2	1 just north of Denny; 1 at north parking lot of Johnny's Market	
9248 Sappington	Northbound	1		
9230 Sappington	Northbound	1		
8876 Sappington	Northbound	1		
Sappington at Gallop	Northbound	1	located near northeast corner	
8728 Sappington	Northbound	1		
8630 Sappington	Northbound	1	at UE substation	
1536 - 1526 Sappington	Northbound	2	north of Watson	
Sappington at Watson	Southbound	1	located at Watson Plaza	
8857 Sappington	Southbound	1		
Sappington at Yorkshire Est. Dr	Southbound	1	at culvert south of Yorkshire Est Dr	
Sappington at Gravois	Southbound	1	located in Gravois curbline	
<b>TOTAL</b>		<b>14</b>		

604-21.95 REPLACE PRECAST INLET TOP				
Exact locations & quantities to be determined by the Engineer.				
LOCATION	DIRECTION (NB / SB)	QUANTITY EACH	REMARKS	
St Elizabeth School (1414 Sappington)	Northbound	2		
Sappington at Rosaire	Southbound	1		
<b>TOTAL</b>		<b>3</b>		

604-90.40 ADJUST INLET STONE TO GRADE				
Exact locations & quantities to be determined by the Engineer.				
LOCATION	DIRECTION (NB / SB)	QUANTITY EACH	REMARKS	
9020 Sappington	Northbound	1	located in southeast radius	
Sappington at Reco Ave	Northbound	1		
821 Sappington	Southbound	1		
<b>TOTAL</b>		<b>3</b>		

604-90.50 REPLACE PRECAST INLET TOP AND ADJUST TO GRADE				
Exact locations & quantities to be determined by the Engineer.				
LOCATION	DIRECTION (NB / SB)	QUANTITY EACH	REMARKS	
9078 Sappington (Masonic Lodge)	Northbound	2		
Sappington at Old Sappington	Northbound	1		
Sappington at Gallop Ln	Northbound	1	located in northeast radius	
8876 Sappington	Northbound	1		
8947 Sappington	Southbound	1		
<b>TOTAL</b>		<b>6</b>		

604-90.54 CLEAN STORM SEWER DRAINAGE STRUCTURE				
Exact locations & quantities to be determined by the Engineer.				
LOCATION	DIRECTION (NB / SB)	QUANTITY EACH	REMARKS	
Sappington at Eddie & Park	Northbound	1	alongside Presbyterian church	
845 Sappington (Fr. Dickson's Cemetary)	Southbound	2	located near south cemetary entrance	
Sappington at Grant's Trail	Southbound	1		
<b>TOTAL</b>		<b>4</b>		

608-10.90 REMOVE & REPLACE CONCRETE MEDIAN / ISLAND				
Exact locations & quantities to be determined by the Engineer. Includes sawcutting and dowel bars				
LOCATION	DIRECTION (NB / SB)	QUANTITY S.Y. (0.1)	REMARKS	
Sappington at Watson	Northbound	55.1	Sappington north of Watson; (67' x 3') + (20' x 5') + (65' x 3')	
<b>TOTAL</b>		<b>55.1</b>		

608-50.96 REMOVE & REPLACE PAVED APPROACH (6" THICK)				
Exact locations & quantities to be determined by the Engineer. Includes sawcutting				
LOCATION	DIRECTION (NB / SB)	QUANTITY S.Y. (0.1)	REMARKS	
9000 Sappington (at Craigwood Terr.)	Northbound	8.0	6' x 12'	
<b>TOTAL</b>		<b>8.0</b>		

COUNTY PROJECT NO. AR-1212  
 FEDERAL PROJECT NO. STP-4900(622)  
 E-W GATEWAY TIP NO. 5261-13  
 MSD:  
 MSD BASE MAP:  
 REVISIONS:  
 BY APP: [ ]  
 DESCRIPTION: [ ]  
 MODOT Comments: [ ]  
 Revised Quantity: [ ]  
 REV DATE: 5-9-13  
 7-19-13  
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STATE OF MISSOURI  
 DANIEL JOSEPH FAUKE  
 LICENSE NO. 200702782  
 PROFESSIONAL ENGINEER

DATE: July 19, 2013

PREPARED BY:  
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 Sheryl L. Hodges, D.E., P.E., LPG  
 Director

SAPPINGTON ROAD INFRASTRUCTURE  
 DETAILED QUANTITIES

DESIGNED: DJF  
 DRAWN: DJF  
 CHECKED:  
 SHEET SEQUENCE: 4A OF 60