

SUMMARY OF QUANTITIES					
ITEM NUM.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CMAQ FUNDING	100% CITY FUNDING
ROADWAY ITEMS					
202-20.10	REMOVAL OF IMPROVEMENTS	L. SUM	1	1	
202-99.02a *	EX UTILITY MANHOLE (ATG)	EA	3	2	1
202-99.02b *	EX BUSINESS SIGN (TBR&R)	EA	1	1	
202-99.02c *	EX WATER VALVE (ATG)	EA	1	1	
202-99.02d *	EX MAILBOX (TBR&R)	EA	1	1	
202-99.03 *	FENCE (TBR)	FT	20	20	
203-10.00	CLASS A EXCAVATION	CUYD	539.3	479.2	60.1
203-60.00	COMPACTING EXCAVATION	CUYD	296.2	255.4	40.8
304-05.04	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SQYD	1721	1513	208
310-10.03	GRAVEL (A)	SQYD	63	63	
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	TONS	869	820	49
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TONS	265.2	254.6	10.6
407-10.05	TACK COAT	GAL	300	264	36
502-11.06	CONCRETE PAVEMENT (6 IN. NON-REINF)	SQYD	99	99	
502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINF)	SQYD	804	677	127
608-30.06	6 IN. CONCRETE MEDIAN STRIP	SQYD	59	59	
608-50.08	PAVED APPROACH, 8 IN	SQYD	368	368	
609-20.12	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	LF	30	96 224	113
609-20.11	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A	LF	116	116	
609-20.12	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE B	LF	800	578 384	222 109
616-10.05	CONSTRUCTION SIGNS	SQ FT	122.25	122.3	
616-10.10	RELOCATE SIGNS	SQ FT	160	160	
616-10.28	CHANNELIZER	EA	25	25	
616-10.33	DIRECTIONAL INDICATOR BARRICADE	EA	6	6	
616-99.01 *	MAINTENANCE OF TRAFFIC CONTROL ITEMS	LS	1	1	
616-99.02 *	RELOCATE CHANNELIZER	EA	42	42	
616-99.02 *	RELOCATE DIRECTIONAL INDICATOR BARRICADE	EA	11	11	
617-20.01 *	CONCRETE TRAFFIC BARRIER, TYPE B (MODIFIED)	LF	209	209	
618-10.00	MOBILIZATION	LS	1	0.88	0.12
619-10.00	PAVEMENT EDGE TREATMENT	LF	1600	1373	227
622-10.01	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (LESS THAN 3 IN. THICK)	SQ YD	1372	874	498
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1	0.88	0.12
710-10.10	EPOXY COATED TIE BARS (DRILLED AND INSTALLED)	LBS	1670	1433	237
710-10.10	EPOXY COATED TIE BARS (DRILLED AND INSTALLED)	LBS	1488	1488	
803-10.00A	TURF TYPE TALL FESCUE SODDING	SQ YDS	734	665	69
805-20.00A	SEEDING WARM SEASON MIXTURES	AC	0.1	0.1	
806-10.17	TEMPORARY SEEDING	AC	0.4	0.3	0.1
806-10.19	SILT FENCE	LF	1289	1181	108
806-10.21	TYPE I DITCH CHECK	EA	2	2	
806-10.25	INLET CHECK	EA	8	8	
806-99.02	TREE PROTECTION	EA	2	2	
DRAINAGE ITEMS					
731-00.60	PRECAST CONCRETE MANHOLE - 60 IN	LF	5.4	5.4	
731-10.30	PRECAST CONCRETE DROP INLET 3 FT X 2 FT-6IN	LF	4.3	4.3	
731-10.32	PRECAST CONCRETE DROP INLET 3 FT X 2 FT	LF	9.9	9.9	
731-99.02 *	EX INLET/MANHOLE (ADJUST TO GRADE)	EA	1	1	

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726-12.24	24 IN. CLASS II REINFORCED CONCRETE PIPE CULVERT	LF	32	32	
726-12.30	30 IN. CLASS II REINFORCED CONCRETE PIPE CULVERT	LF	25	25	
730-99.03 *	6 IN. PVC PIPE CULVERT	LF	103	103	
732-06.24	24 IN. PRECAST CONCRETE FLARED END SECTION	EA	2	2	
732-99.02 *	6'X9'. PRECAST CONCRETE ELLIPTICAL FLARED END SECTION	EA	1	1	
SIGNING ITEMS					
903.10.10	CONCRETE FOOTINGS, EMBEDDED	CUYD	1.17	0.91	0.26
903-12.20	PIPE POST	LB	818.1	648.7	169.4
903-12.50A	U-CHANNEL POST, 3 LB	FT	127.50	127.50	
903-12.40	BREAKAWAY ASSEMBLY	EA	9	7.00	2.00
903-50.04	TYPE SHR2L-1 SIGN	SQFT	81.50	63.50	18.00
903-99.02 *	RELOCATE SIGNS	EA	3	3	
STRIPING					
620-61.06	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6 IN, WHITE	LF	1727	1633	94
620-61.22	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 12 IN, WHITE	LF	416	416	
620-61.24	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN, WHITE	LF	207	207	
620-60.01B	4 IN. YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT	LF	1848	1848	
620-99.03 *	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 12 IN, YELLOW	LF	74	74	
620-99.03 *	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, CURB PAINT, YELLOW	LF	166	166	
620-51.30	TYPE 2 PREFORMED MARKING TAPE (GROOVED), LEFT/RIGHT ARROW	EA	11	11	
620-51.31	TYPE 2 PREFORMED MARKING TAPE (GROOVED), STRAIGHT ARROW	EA	3	3	
620-51.40	TYPE 2 PREFORMED MARKING TAPE (GROOVED), WHITE, YIELD LINE TRIANGLES	EA	21	10	11
620-99.03 *	ACRYLIC COPOLYMER FAST DRY PAVEMENT MARKING PAINT, SYMBOL, BLUE	EA	3		3
620-99.03 *	ACRYLIC COPOLYMER FAST DRY PAVEMENT MARKING PAINT, ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 4 IN, BLUE	LF	772		772
BICYCLE/PEDESTRIAN ITEMS					
608-10.10	CONCRETE CURB RAMP	SQYD	52	52	
608-60.04	CONCRETE SIDEWALK, 4 IN.	SQYD	199	199	
608-10.12	TRUNCATED DOMES	SQ FT	109	109	
ELECTRICAL					
901-11.15	BRACKET ARM, 15 FT.	EACH	4	4	
901-13.00	LUMINAIRE, 150 WATT LED (MAST ARM LTG)	EACH	4	4	
902-02.11	SIGNAL HEAD, TYPE 1S	EACH	6	6	
902-02.13	SIGNAL HEAD, TYPE 3S	EACH	1	1	
902-05.13	SIGNAL HEAD, TYPE 3B	EACH	7	7	
902-05.14	SIGNAL HEAD, TYPE 4B	EACH	4	4	
902-27.08	POST, SIGNAL 8 FT.	EACH	2	2	
902-31.25	POST, TYPE CL, 25 FT. ARM	EACH	1	1	
902-31.40	POST, TYPE CL, 40 FT. ARM	EACH	2	2	
902-31.55	POST, TYPE CL, 55 FT. ARM	EACH	1	1	
902-42.83	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	EACH	1	1	
902-49.75	VIDEO DETECTION SYSTEM, W/DILEMMA ZONE RADAR	EACH	1	1	
902-86.21	POWER SUPPLY ASSEMBLY, T2 WITH 120V LTG CABINET & UPS	EACH	1	1	
902-52.00	CONDUIT, 2 IN., TRENCH WITH TRACER WIRE	LIN. FT.	104	104	
902-53.00	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LIN. FT.	103	103	
902-73.00	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LIN. FT.	342	324	
902-81.00	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	LIN. FT.	420	420	
902-82.08	CABLE, 8 AWG 1 CONDUCTOR, POWER	LIN. FT.	150	150	

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902-83.02	CABLE, 12 AWG 2 CONDUCTOR	LIN. FT.	930	930	
902-83.08	CABLE, 16 AWG 2 CONDUCTOR	LIN. FT.	1510	1510	
902-83.10	CABLE, 16 AWG 5 CONDUCTOR	LIN. FT.	1300	1300	
902-83.11	CABLE, 16 AWG 7 CONDUCTOR	LIN. FT.	2920	2920	
902-88.11	PREFORMED PULLBOX, CLASS 2	EACH	3	3	
902-88.12	PREFORMED PULLBOX, CLASS 3	EACH	2	2	
902-91.00	BASE, CONCRETE	CUYD	15.9	15.9	
902-99.01	TRAFFIC SIGNAL MAINTENANCE & PROGRAMMING	LS	1	1	
902-99.02	PUSHBUTTON POST	EACH	2	2	
902-99.02	RELOCATE/RETERMINATE FIBER OPTIC CABLES	EACH	2	2	
902-99.02	SPECIAL EVENT BUTTON	EACH	1	1	
902-99.02	NETWORK CONNECTED SIGNAL MONITOR	EACH	1	1	
902-99.02	DETECTOR, PUSHBUTTON W/APS FEATURE	EACH	6	6	
902-99.02	SDLC PANEL	EACH	1	1	

ALT BID ITEMS					
ITEM NUM.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CMAQ FUNDING	100% CITY FUNDING
910.37.00	CCTV CAMERA ASSEMBLY	EACH	1	1	

Corporate Engineering Certificate # 000381

CIVIL ENGINEER
 DATE PREPARED: 1/26/18
 ROUTE: MO
 DISTRICT: SL SHEET NO. 3
 COUNTY: JEFFERSON
 JOB NO.: 129-15
 CONTRACT ID.:
 PROJECT NO.:
 BRIDGE NO.:

DESCRIPTION: ROADWAY IMPROVEMENTS

DATE: 3/9/16
 PRELIMINARY APPROVAL: 12/5/17
 FINAL R/W PLANS (REV): 12/13/17
 PRELIMINARY PLANS: 1/26/18
 PS&E PLANS: 5/29/18
 ADDENDUM 1:

TRANSPORTATION ENGINEERS+PLANNERS
 13400 OLIVE BLVD, SUITE 430
 ST. LOUIS, MO 63141
 (314) 878-6644
 450 COTTONWOOD RD, SUITE B
 GLEN CARBON, IL 62034
 (618) 656-2612
 www.cbtraffic.com

SUMMARY OF QUANTITIES
 ROADWAY IMPROVEMENTS
 JEFFCO BLVD AND TENBROOK RD
 ARNOLD, MISSOURI
 CMAQ-5403(668) TIP 6624-16

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.