

CONGESTION MANAGEMENT PROGRAM (DETECTION UPGRADE SET #1)					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
	CONSTRUCTION STAKES, LINES AND GRADES	L.S.	1		\$0.00
1	201-01 CLEARING AND GRUBBING	L.S.	1		\$0.00
2	209-05 SEDIMENT REMOVAL	C.Y.	9		\$0.00
3	209-09.43 CURB INLET PROTECTION (TYPE 4)	EACH	98		\$0.00
	701-01.01 CONCRETE SIDEWALK 4"	S.F.	400		\$0.00
12	701-01.11 DECORATIVE POLE BASE AND SIDEWALK REPLACEMENT	L.S.	1		\$0.00
	701-02.01 CONCRETE CURB RAMP (RETROFIT)	S.F.	100		\$0.00
	712-01 TRAFFIC CONTROL	L.S.	1		\$0.00
13	712-99.92 TRAFFIC CONTROL	L.S.	1		\$0.00
	717-01 MOBILIZATION	L.S.	1		\$0.00
	725-03.91 CURB MOUNTED CABLE MARKER	EACH	131		\$0.00
	730-01.10 OVERHEAD UTILITY RELOCATION (UTILITY FEE)	L.S.	1	\$10,000.00	\$10,000.00
14	730-01.13 BRIDGE ATTACHMENT (PERMIT FEE)	L.S.	1	\$10,000.00	\$10,000.00
11	730-03.11 INSTALL SPLICE BOX (POLE-MOUNTED)	EACH	1		\$0.00
	730-03.21 INSTALL PULL BOX (TYPE B)	EACH	26		\$0.00
	730-11.11 RISER ASSEMBLY (2")	EACH	3		\$0.00
	730-11.12 RISER ASSEMBLY (3")	EACH	4		\$0.00
	730-12.02 CONDUIT 2" DIAMETER (PVC)	L.F.	1710		\$0.00
	730-12.03 CONDUIT 3" DIAMETER (PVC)	L.F.	510		\$0.00
	730-12.13 CONDUIT 2" DIAMETER (JACK AND BORE)	L.F.	1605		\$0.00
	730-12.14 CONDUIT 3" DIAMETER (JACK AND BORE)	L.F.	440		\$0.00
4	730-12.08 CONDUIT 2" DIAMETER (RGS)	L.F.	880		\$0.00
10	5	730-13.02 VEHICLE DETECTOR (VIDEO)	EACH	16	\$0.00
6	730-13.03 VEHICLE DETECTOR (4-CHANNEL, RACK-MOUNT)	EACH	7	\$0.00	
10	7	730-13.06 VEHICLE DETECTOR (OPTICALLY ACTIVATED PRIORITY CONTROL)	EACH	15	\$0.00
	730-14.01 SHIELDED DETECTOR CABLE	L.F.	500		\$0.00
	730-14.02 SAW SLOT	L.F.	430		\$0.00
	730-14.03 LOOP WIRE	L.F.	1275		\$0.00
8	730-15.11 MODIFY CABINET (POLE-MOUNT ENTRANCE)	EACH	2		\$0.00
	730-15.13 MODIFY CABINET (BASE-MOUNT ENTRANCE)	EACH	14		\$0.00
9	730-15.32 CABINET (EIGHT PHASE BASE MOUNTED)	EACH	1		\$0.00
	801-03 WATER (SEEDING & SODDING)	M.G.	1		\$0.00
2	803-01 SODDING (NEW SOD)	S.Y.	165		\$0.00
<b>TOTAL PRICE</b>					<b>\$20,000.00</b>

**FOOTNOTES**

- 1 FOR TREE TRIMMING AS DIRECTED BY THE ENGINEER.
- 2 TO BE USED AS DIRECTED BY THE ENGINEER.
- 3 SEE SUBSECTION 209.07 OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
- 4 SEE CONSTRUCTION DETAIL SHEETS FOR BRIDGE ATTACHMENT DETAILS. ITEM TO INCLUDE ALL MATERIALS NECESSARY TO ATTACH CONDUIT TO BRIDGE.
- 5 TO BE ITERIS VANTAGE SYSTEM OR APPROVED EQUIVALENT. INCLUDES DETECTION CAMERAS, PROCESSOR UNIT, CARD RACK, VIDEO REMOTE MANAGEMENT CARD WITH ETHERNET INTERFACE, POWER SUPPLY UNIT, SURGE PROTECTION EQUIPMENT (AN EDCO HSP-121BT1RU SERIES SURGE PROTECTION), MONITOR, MOUSE AND ALL CABLING, CONNECTIONS AND HARDWARE TO COMPLETE THE INSTALLATION OF A FULLY FUNCTIONAL VIDEO DETECTION SYSTEM.
- 6 INSTALL ONE (1) DETECTOR CARD PER INTERSECTION APPROACH WHERE ADVANCE DETECTION LOOPS ARE TO BE REPAIRED OR REPLACED. SEE INTERSECTION LAYOUT SHEETS.
- 7 TO BE GTT OPTICOM SYSTEM OR APPROVED EQUIVALENT. INCLUDES OPTICAL DETECTORS, CONFIRMATION LAMPS (PAR 90), POLE-MOUNTED BEACONS, FOUR-CHANNEL PHASE SELECTOR, CARD RACK (OPTICOM 760) AND ALL OTHER CABLING, CONNECTIONS AND HARDWARE TO COMPLETE THE INSTALLATION OF A FULLY-FUNCTIONAL PREEMPTION SYSTEM, INCLUDING FIELD FINE-TUNING. AT THE INTERSECTION OF S.R. 385 AND HOUSTON LEVEE ROAD, THIS ITEM SHALL INCLUDE AN AUXILIARY INTERFACE PANEL.
- 8 SEE INTERSECTION LAYOUT SHEETS FOR CABINET MODIFICATION DETAILS. INCLUDES MODIFICATIONS EQUIPMENT AND HARDWARE NECESSARY FOR CONDUIT ENTRY INTO CABINET
- 9 THE TRAFFIC SIGNAL CONTROLLER SHALL BE AN EAGLE EPAC M52 KEYBOARD UNIT OR APPROVED EQUIVALENT WITH NTCIP COMPLIANT SOFTWARE AND SEPAC, AND BUILT-IN STRETCH AND DELAY FEATURES FOR EACH PHASE. THE TRAFFIC CONTROLLER INSTALLATION ALONG WITH ALL AUXILIARY EQUIPMENT TO BE INSTALLED IN THE CABINET SHALL BE MANUFACTURED, SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST CITY OF MEMPHIS TRAFFIC SIGNAL CONTROLLER AND CABINET SPECIFICATIONS. THE INSTALLATION SHALL HAVE A 12-CHANNEL MALFUNCTION MONITOR UNIT INSTALLED AS MODEL EDI SSM12LEIP.
- 10 SEE TYPICAL COUNT ZONE DETAIL FOR ZONE LOCATION SETUP.
- 11 FOR JUNCTION BOX TO BE INSTALLED AT TOP OF POLE.
- 12 TO INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR THE REMOVAL AND REPLACEMENT OF PAVERS, STONE, CONCRETE AND OTHER MATERIALS TO INSTALL RISER ON EXISTING POLE AT THE NORTHEAST CORNER OF POPLAR AVENUE AND JOHNSON ROAD. RISER TO BE ATTACHED TO POLE UNTIL BELOW FINISHED GRADE.
- 13 TO INCLUDE ALL ITEMS NECESSARY FOR LANE CLOSURE ON S.R. 385
- 14 ALLOWANCE FOR OBTAINING BRIDGE ATTACHEMENT PERMIT FOR TDOT. ALLOWANCE WILL BE ADJUSTED IF FINAL COST FOR OBTAINING PERMIT IS DIFFERENT.

NOTE: Use this spreadsheet at your own risk. No warranties, expressed or implied, are made to the accuracy of this file. The unit price for each item presented on the printed form will be used in determination of the overall bid prices.