

City of Bristol, TN — East Cedar Street

BID QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM TOTAL
	105-01 CONSTRUCTION STAKES, LINES AND GRADES	1	LS		
	201-01 CLEARING AND GRUBBING	1	LS		
1	203-01 ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED)	19,025	CY		
	203-03 BORROW EXCAVATION (UNCLASSIFIED)	13,918	CY		
	203-04 PLACING AND SPREADING TOPSOIL	2,644	CY		
	203-06 WATER	227	MG		
	204-08 FOUNDATION FILL MATERIAL	44	CY		
	204-08.01 BACKFILL MATERIAL (FLOWABLE FILL)	50	CY		
2 & 3	209-02.05 12" TEMPORARY SLOPE DRAIN	80	LF		
3	209-05 SEDIMENT REMOVAL	154	CY		
3	209-08.02 TEMPORARY SILT FENCE (WITH BACKING)	4,711	LF		
3	209-08.03 TEMPORARY SILT FENCE (WITHOUT BACKING)	1,600	LF		
3	209-08.07 ROCK CHECK DAM	64	EACH		
3	209-08.08 ENHANCED ROCK CHECK DAM	22	EACH		
3	209-09.01 SANDBAGS	200	BAGS		
3	209-09.03 SEDIMENT FILTER BAG (15'X15')	2	EACH		
3	209-20.03 POLYETHYLENE SHEETING (6 MIL. MINIMUM)	33	SY		
3	209-09.41 CURB INLET PROTECTION (TYPE 2)	2	EACH		
3	209-09.43 CURB INLET PROTECTION (TYPE 4)	157	EACH		
3	209-40.30 CATCH BASIN PROTECTION (TYPE A)	2	EACH		
3	209-40.33 CATCH BASIN PROTECTION (TYPE D)	45	EACH		
3	209-40.41 CATCH BASIN FILTER ASSEMBLY (TYPE 1)	8	EACH		
3	209-40.42 CATCH BASIN FILTER ASSEMBLY (TYPE 2)	16	EACH		
3	209-40.43 CATCH BASIN FILTER ASSEMBLY (TYPE 3)	5	EACH		
3	209-40.47 CATCH BASIN FILTER ASSEMBLY (TYPE 7)	2	EACH		

	ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM TOTAL
3	209-40.48	CATCH BASIN FILTER ASSEMBLY (TYPE 8)	1	EACH		
4	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	21,021	TON		
	303-01.01	GRANULAR BACKFILL (ROADWAY)	728	TON		
3 & 5	303-10.01	MINERAL AGGREGATE (SIZE 57)	157	TON		
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	3,721	TON		
6	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	3,992	TON		
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	51	TON		
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	199	TON		
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	29	TON		
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	1,160	LF		
	411-01.10	ACS MIX(PG64-22) GRADING D	2,250	TON		
	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	1,708	SY		
7	604-01.01	CLASS A CONCRETE (ROADWAY)	7	CY		
7	604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	350	LB		
7	604-01.04	1-½" STEEL PIPE HANDRAIL	30	LF		
8	604-01.20	BOX TUBE SAFETY RAIL	896	LF		
	604-02.01	CLASS A CONCRETE (BOX BRIDGE)	105	CY		
	604-02.02	STEEL BAR REINFORCEMENT (BOX BRIDGE)	17,528	LB		
	604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	346	SY		
	604-07.01	RETAINING WALL (RETAINING WALL NO. 1)	672	SF		
	604-07.02	RETAINING WALL (RETAINING WALL NO. 2)	1,415	SF		
	604-07.03	RETAINING WALL (RETAINING WALL NO. 3)	1,015	SF		
9	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	6,960	LF		
9	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	1,769	LF		
9	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	261	LF		
9 & 10	607-06.07	36" PIPE CULVERT (JACKED-IN-PLACE)	166	LF		

	ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM TOTAL
9	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	867	LF		
9	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	130	LF		
	607-45.02	18" SLOTTED DRAIN	20	LF		
	611-01.02	MANHOLES, > 4' - 8' DEPTH	1	EACH		
	611-01.20	ADJUST EXISTING MANHOLE	2	EACH		
	611-02.11	JUNCTION BOX, TYPE 2	1	EACH		
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	4	CY		
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	160	LB		
	611-07.31	18IN ENDWALL (SIDE DRAIN)	1	EACH		
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	1	EACH		
	611-07.63	36IN ENDWALL (CROSS DRAIN) 3:1	1	EACH		
	611-09.03	CAPPING EXISTING CATCH BASIN	5	EACH		
11	611-10.02	CATCH BASINS, TYPE 10, > 4' - 8' DEPTH	12	EACH		
11	611-12.01	CATCHBASINS, TYPE 12, DEPTH 0' - 4'	55	EACH		
11	611-12.02	CATCHBASINS, TYPE 12, DEPTH > 4' - 8'	102	EACH		
11	611-12.03	CATCH BASINS, TYPE 12, > 8' - 12' DEPTH	5	EACH		
11	611-12.04	CATCH BASINS, TYPE 12, >12' - 16' DEPTH	1	EACH		
11	611-14.02	CATCH BASINS, TYPE 14, > 4' - 8' DEPTH	8	EACH		
11	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	14	EACH		
11	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	4	EACH		
11	611-43.02	CATCH BASINS, TYPE 43, > 4' - 8' DEPTH	1	EACH		
	620-05	CONCRETE PARAPET WITH STRUCTURAL TUBING	314	LF		
2	621-03.02	18" TEMPORARY DRAINAGE PIPE	34	LF		
2	621-03.08	54" TEMPORARY DRAINAGE PIPE	190	LF		
	701-01.01	CONCRETE SIDEWALK (4")	63,667	SF		
	701-02	CONCRETE DRIVEWAY	15,449	SF		

	ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM TOTAL
	701-02.03	CONCRETE CURB RAMP	6,360	SF		
	702-01	CONCRETE CURB	30	CY		
	702-03	CONCRETE COMBINED CURB AND GUTTER	861	CY		
12	705-20.25	TEMPORARY CRASH CUSHION (MASH TL-3)	6	EACH		
3	707-08.11	HIGH VISIBILITY CONSTRUCTION FENCE	1,400	LF		
5	709-05.05	MACHINED RIP-RAP (CLASS A-3)	600	TON		
	709-05.06	MACHINED RIP-RAP (CLASS A-1)	442	TON		
17	709-05.08	MACHINED RIP-RAP (CLASS B)	276	TON		
	709-05.09	MACHINED RIP-RAP (CLASS C)	28	TON		
13	710-02	AGGREGATE UNDERDRAIN (WITH PIPE)	12,361	LF		
	712-01	TRAFFIC CONTROL	1	LS		
2	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	1,000	LF		
2	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	1,116	EACH		
	712-04.50	BARRIER RAIL DELINEATOR	32	EACH		
14	712-05.01	WARNING LIGHTS (TYPE A)	28	EACH		
	712-05.03	WARNING LIGHTS (TYPE C)	16	EACH		
	712-06	SIGNS (CONSTRUCTION)	1,387	SF		
	712-07.03	TEMPORARY BARRICADES (TYPE III)	288	LF		
	712-08.03	ARROW BOARD (TYPE C)	6	EACH		
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	1,101	LB		
	713-11.21	P POST SLIP BASE	2	EACH		
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.08" THICK)	125	SF		
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.10" THICK)	112	SF		
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	2	EACH		
	713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	2	EACH		
S-1	713-16.20	SIGNS (LED ELECTRONIC BLANK-OUT SIGN (R3-1))	1	EACH		

	ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM TOTAL
S-1	713-16.21	SIGNS (LED ELECTRONIC BLANK-OUT SIGN (R3-2))	1	EACH		
	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	32	EACH		
	716-01.22	Snwplwble Pvmt Mrkrs (Mono-Dir)(1 Color)	8	EACH		
	716-02.03	PLASTIC PAVEMENT MARKING (CROSSWALK)	552	LF		
	716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	76	SY		
15	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	394	LF		
15	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	8	EACH		
15	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	67	LF		
15	716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	0.3	LM		
15	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	4	EACH		
15	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	2	EACH		
15	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	2	EACH		
15	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	2	EACH		
15	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	7.8	LM		
16	716-05.03	PAINTED PAVEMENT MARKING (CROSS-WALK)	552	LF		
	716-05.04	PAINTED PAVEMENT MARKING (CHANNELIZATION STRIPING)	152	SY		
	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	788	LF		
	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	16	EACH		
	716-05.09	PAINTED PAVEMENT MARKING(STRAIGHT-TURN ARROW)	4	EACH		
	716-05.10	PAINTED PAVEMENT MARKING (RXR)	4	EACH		
	716-05.11	PAINTED PAVEMENT MARKING(STRAIGHT ARROW)	4	EACH		
	716-13.01	SPRAY THERMO PVMT MARKING (60 mil) (4IN LINE)	2.9	LM		
	717-01	MOBILIZATION	1	LS		
S-5	730-01.02	REMOVAL OF SIGNAL EQUIPMENT	2	EACH		
S-2	730-01.04	MODIFICATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT	1	LS		
	730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	10	EACH		

	ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM TOTAL
	730-02.17	SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE)	4	EACH		
	730-03.21	INSTALL PULL BOX (TYPE B)	10	EACH		
	730-03.23	INSTALL PULL BOX (FIBER OPTIC-TYPE A)	3	EACH		
	730-03.24	INSTALL PULL BOX (FIBER OPTIC-TYPE B)	2	EACH		
	730-03.32	FIBER OPTIC DROP CABLE	150	LF		
	730-03.33	FIBER OFPTIC SPLICE FUSION	12	EACH		
S-6	730-05.01	ELECTRICAL SERVICE CONNECTION	2	EACH		
	730-08.01	SIGNAL CABLE - 3 CONDUCTOR	600	LF		
	730-08.02	SIGNAL CABLE - 5 CONDUCTOR	900	LF		
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	445	LF		
	730-08.10	SIGNAL CABLE - 4 CONDUCTOR	2,050	LF		
	730-08.31	INTERCONNECT CABLE (12 FIBER MULTI-MODE)	1,550	LF		
	730-12.01	CONDUIT 1" DIAMETER (PVC)	200	LF		
	730-12.02	CONDUIT 2" DIAMETER (PVC)	360	LF		
	730-12.13	CONDUIT 2" DIAMETER (JACK AND BORE)	1,000	LF		
	730-12.16	CONDUIT (2" Sch. 80 PVC)	2,250	LF		
	730-12.30	TRENCHING	2,250	LF		
	730-13.01	VEHICLE LOOP DETECTOR (SHELF MOUNT)	14	EACH		
	730-14.01	SHIELDED DETECTOR CABLE	1,300	LF		
	730-14.02	SAW SLOT	2,600	LF		
	730-14.03	LOOP WIRE	6,650	LF		
	730-15.32	CABINET (EIGHT PHASE BASE MOUNTED)	2	EACH		
	730-15.41	EIGHT PH ACTUATED CONTROLLER (FIBER)	1	EACH		
	730-15.42	MASTER CONTROLLER (FIBER)	1	EACH		
S-3	730-23.30	PEDESTAL POLE (PEDESTRIAN SIGNAL SUPPORT)	6	EACH		
S-4	730-23.39	CANTILEVER SIGNAL SUPPORT (2 @ 35' & 55')	2	EACH		

	ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM TOTAL
S-4	730-23.70	CANTILEVER SIGNAL SUPPORT (2 @ 30' & 40')	1	EACH		
	730-26.11	COUNTDOWN PED SGNL HEAD W/AUDIBLE PUSH BUTTON & 15IN SIGN	12	EACH		
	740-10.03	GEOTEXTILE (TYPE III, EROSION CONTROL)	2,078	SY		
5	740-11.01	TEMPORARY SEDIMENT TUBE (8 IN)	15,807	LF		
5	740-11.02	TEMPORARY SEDIMENT TUBE (12 IN)	2,715	LF		
5	801-01.07	TEMPORARY SEEDING (WITH MULCH)	506	UNIT		
2	801-02	SEEDING (WITHOUT MULCH)	16	UNIT		
	801-03	WATER (SEEDING & SODDING)	34	MG		
	803-01	SODDING (NEW SOD)	18,734	SY		
18	805-01.01	TURF REINFORCEMENT MAT (CLASS I)	1,685	SY		

GRAND TOTAL

_____ in words

_____ in numbers

FOOTNOTES

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- 1 INCLUDES 850 CY FOR TEMPORARY BERM, AND 8,274 OF UNSUITABLE MATERIALS.
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- 2 MAY BE INCREASED OR DECREASED BY THE ENGINEER.
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- 3 SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
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- 4 INCLUDES 3,500 TONS FOR MAINTENANCE OF TRAFFIC AND 2,094 TONS FOR TEMPORARY WIDENING.
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- 5 FOR EROSION CONTROL.
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- 6 INCLUDES 699 TONS FOR TEMPORARY WIDENING.
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- 7 FOR STEPS; SEE SHEETS 2G-2H FOR LOCATIONS.
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- 8 PEDESTRIAN SAFETY RAIL, SEE PROPOSED LAYOUTS FOR LOCATIONS.
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- 9 BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF PIPE.
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- 10 FOR STORM SEWER UNDER RAILROAD. PIPE SHALL BE 36" SMOOTH WALL STEEL.
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- 11 TO INCLUDE ALL COSTS ASSOCIATED WITH TEMPORARY CAPPING OF DRAINAGE STRUCTURES DURING CONSTRUCTION, INCLUDING MATERIALS AND LABOR.
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- 12 THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.
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- 13 UNDERDRAINS ARE TO BE TIED INTO THE PROPOSED CATCH BASINS. THE COST WILL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT THE COST SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO. 710-02, AGGREGATE UNDERDRAIN (WITH PIPE).
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- 14 TWO TYPE "A" WARNING LIGHTS TO BE MOUNTED ON EACH "ROAD CLOSED" SIGN.
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- 15 THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
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- 16 INCLUDES 0.5 MILES FOR PERMANENT PAVEMENT MARKING AND 7.3 MILES FOR TEMPORARY PAVEMENT MARKING.
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- 17 INCLUDES 83 TONS FOR APRONS AT PIPE OUTLETS, AND 193 TONS FOR SLAB BRIDGE AND STREAM.
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- 18 INCLUDES 1,342 SY FOR DITCHES AND 17,392 SY FOR SLOPES.
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- S-1 R3-1 AND R3-2 LED BLANK-OUT SIGNS TO BE INSTALLED ON MAST ARMS OF PROPOSED SIGNAL POLES. SEE SHEET 29 FOR DETAILS.
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- S-2 INCLUDES ALL WORK AND AUXILIARY EQUIPMENT REQUIRED FOR CONNECTION OF LED BLANKOUT SIGNS AND MODIFICATIONS WITHIN THE EXISTING RAILROAD CONTROLLER CABINET FOR BLANKOUT SIGN OPERATION. CONTRACTOR TO COORDINATE ALL WORK WITH NORFOLK SOUTHERN.
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- S-3 ITEM INCLUDES CLASS 'A' CONCRETE FOUNDATION.
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- S-4 THIS BID ITEM INCLUDES THE COST OF FOUNDATION DESIGN AND, IF NECESSARY, THE SOIL EXPLORATION REQUIRED FOR THE DESIGN OF THE SIGNAL POLE FOUNDATION.
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- S-5 REMOVE EXISTING SIGNAL AND EQUIPMENT AT 5TH STREET AND EAST CEDAR STREET AND AT EAST CEDAR STREET AND VIRGINIA AVENUE.
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FOOTNOTES

S-6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY COMPANY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE SIGNAL CONTROLLER. THESE CHARGES SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM FOR PAYMENT BY THE CONTRACTOR.
