

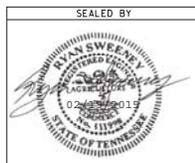
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BH-1-40-4866	2A

REV. 02/12/15;
REVISED QUANTITIES FOR ITEM NO.'S
203-01, 303-10.04, 711-05.70,
711-05.81

REV. 02/19/15;
REVISED QUANTITIES FOR ITEM NO.'S
203-01 AND 303-10.04

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
201-01	CLEARING AND GRUBBING	LS	1
202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	7,424
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	17447
203-04	PLACING AND SPREADING TOPSOIL	C.Y.	2300
203-05	UNDERCUTTING	C.Y.	19285
203-06	WATER	M.G.	102
203-10.15	WASTE MATERIAL	C.Y.	1000
203-50	CONSTRUCTION OF HAUL ROAD	LS	1
209-03.21	FILTER SOCK (12 INCH)	L.F.	1824
209-05	SEDIMENT REMOVAL	C.Y.	145
209-09.04	SEDIMENT FILTER BAG (15' x 10')	EACH	6
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	623
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	1690
209-08.08	ENHANCED ROCK CHECK DAM	EACH	3
209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	7
209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	2
209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	1
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	1286
303-01.03	GRANULAR BACKFILL (RETAINING WALLS)	TON	33749
303-10.04	MINERAL AGGREGATE (SIZE 57 OR SIZE 4)	TON	68663
307-03.01	ASPHALT CONCRETE MIX (PG76-22) (BFMB-HM) GRADING A	TON	2998
307-03.08	ASPHALT CONCRETE MIX (PG76-22) (BFMB-HM) GRADING B-M2	TON	8283
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	10
402-02	AGGREGATE FOR COVER MATERIAL (FC)	TON	26
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	44
411-02.10	ACS MIX (PG76-22) GRADING D	TON	303
411-03.10	ACS MIX (PG76-22) GRADING D	TON	3129
411-12.01	SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	3
415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	3335
604-07.09	RETAINING WALLS (SOIL NAIL STABILIZATION)	S.F.	24275
607-02.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	64
611-02.10	JUNCTION BOX, TYPE 1	EACH	1
611-09.01	ADJUSTMENT OF EXISTING CATCHBASIN	EACH	10
611-42.01	CATCH BASINS, TYPE 42, > 0' - 4' DEPTH	EACH	1
620-03	CONCRETE PARAPET (REMOVAL OF EXISTING PARAPET)	L.F.	280
701-01.01	CONCRETE SIDEWALK (4")	S.F.	18856
701-02.03	CONCRETE HANDICAP RAMP	S.F.	400

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	120
705-01.01	GUARORAIL AT BRIDGE ENDS	L.F.	350
705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	1790
705-04.03	GUARORAIL TERMINAL (TYPE 13)	EACH	1
705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 390, TL3)	EACH	2
705-08.11	PORTABLE IMPACT ATTENUATOR NCHRP310 TL-3	EACH	6
706-01	GUARORAIL REMOVED	L.F.	1515
707-01.11	CHAIN LINK FENCE (6 FCOT)	L.F.	3089
707-01.14	GATECHAINLINK FENCE-6 FOOT (16' DOUB.E GATE)	EACH	2
707-01.012	END & CORNER POST ASSEMBLY (CHAIN-LINK FENCE 6')	EACH	56
707-06.01	REMOVAL OF FENCE (CHAIN LINK)	L.F.	3960
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	3615
709-05.05	MACHNED RIP-RAP (CLASS A-3)	TON	1185
709-05.06	MACHNED RIP-RAP (CLASS A-1)	TON	23
711-01.01	CONCRETE MEDIAN BARRIER (MODIFIED)	L.F.	20
711-05.01	REMOVAL & DISPOSAL OF CONCRETE MEDIAN BARRIER	L.F.	2378
711-05.70	32IN SINGLE SLOPE CONCRETE BARRIER WALL	L.F.	2809
711-05.77	FLARED S/S CONCRETE MEDIAN BARRIERWALL	L.F.	255
711-05.81	32IN HALF SIZE SINGLE SLOPE CONCRETEBARRIER WALL	L.F.	268
712-01	TRAFFIC CONTROL	LS	1
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	10204
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	400
712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	508
712-05.01	WARNING LIGHTS (TYPE A)	EACH	30
712-06	SIGNS (CONSTRUCTION)	S.F.	2498
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	360
712-08.03	ARROW BOARD (TYPE C)	EACH	4
712-08.10	MOBILE MESSAGE SIGN WITH ATTENUATOR	HOUR	3770
713-15.02	REMOVAL & RELOCATION OF SIGN & SUPPORT	EACH	15
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	5
714-03	JACKED OR BORED CONDUIT	L.F.	120
714-03.01	DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	L.F.	4600
714-04.01	CONDUIT (STRUCTURES - 1" RGS)	L.F.	980
714-05.07	PULL BOXES (NES LIGHTING PULLBOXES)	EACH	21
714-06.03	CABLE (1/2" # 10 AWG)	L.F.	2400
714-06.06	CABLE (1/2" # 4 AWG)	L.F.	11380
714-08.09	LIGHTSTANDARD (25' POLE HEIGHT)	EACH	1
714-08.16	LIGHTSTANDARDS (40' ALUM POLE - 15' MAST ARM)	EACH	1
714-08.20	FOUNDATION (ONLY) FOR LIGHT STANDARD	EACH	13
714-08.26	FOUNDATION FOR LIGHT STANDARDS (MEDIAN BARRIER)	EACH	3
714-08.29	REMOVE & RELOCATE LIGHT STANDARD	LS	1
714-09.03	LUMINAIRES (250 WATT)	EACH	1
714-09.09	LUMINAIRES (WALL PACK 150 WATT)	EACH	10
714-12.17	MODIFY EXIST CONTROL CENTER (CONTROL CENTER CABLING)	EACH	1
714-15.01	OVERHEAD CABLE	EACH	1
714-25.08	ELECTRICAL CONNECTION (NES COORDINATION)	LS	1
714-30	AS-BUILT PLANS	LS	1



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
**ESTIMATED
ROADWAY
QUANTITIES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BH-1-40-4(86)	2B

REV. 02/12/15:
REVISED FOOTNOTE NO. 3.

REV. 02/19/15:
REVISED FOOTNOTE NO. 7 WITH
UPDATED QUANTITIES.

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
716-01.23	Snwplwble Pvmt Mrkrs (Bi-Dir)(2 Color)	EACH	170
716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	170
716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	219
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	97
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	8
716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	130
716-04.07	PLASTIC PAVEMENT MARKING (EXT ONLY ARROW)	EACH	3
716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	2
716-04.13	PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH	3
716-04.15	PLASTIC PAVEMENT MARKING BIKE SYMBOL / ARROW SHARED)	EACH	4
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	1
716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	14235
716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	5
716-08.04	REMOVAL OF PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	219
716-08.20	REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	2
716-10.30	TRUNCATED DOME DETECTABLE WARNING MAT	S.F.	56
716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	3
716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	2390
716-12.06	ENHANCED FLATLINE THERMO PVMT MRKNG (8IN LINE)	L.F.	2461
716-12.09	ENHANCED FLATLINE THERMO PVMT MRKNG (12IN LINE)	L.F.	1016
716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	1
716-13.02	SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.	1
717-01	MOBILIZATION	LS	1
725-20.05	CCTV POLE REMOVAL	EACH	1
725-20.43	PULL BOX (TYPE C)	EACH	1
725-20.44	PULL BOX (TYPE D)	EACH	5
16 725-20.94	CCTV CAMERA SYSTEM (RE-INSTALL EXISTING CAMERA POLE)	EACH	1
9 725-20.95	CCTV CAMERA SYSTEM (HD CAMERA W/ LOWERING DEVICE)	EACH	1
725-21.21	TERMINAL SERVER	EACH	1
725-21.73	TRANSFORMER (24VOLT FOR HD RDS)	EACH	1
725-21.92	RADAR DETECTION SYSTEM (HD)	EACH	1
725-21.96	RDS COMM CABLE	L.F.	160
725-22.24	CONDUIT BANK (TYPE 4)	L.F.	175
18 725-22.25	CONDUIT BANK (VERIFICATION AND CLEANING)	L.F.	8000
725-22.64	STRUCTURE CONDUIT BANK (TYPE 4)	L.F.	1265
725-22.71	2IN CONDUIT	L.F.	110
20 725-23.01	ITS CABLE MARKER	EACH	11
725-23.10	FIBER OPTIC CABLE (72 F)	L.F.	2230
725-23.22	FIBER OPTIC DROP CABLE (6 F)	L.F.	450
725-23.25	FIBER OPTIC CLOSURE (72 F)	EACH	1
725-23.26	FIBER OPTIC CLOSURE (12 F)	EACH	1
725-23.28	FIBER OPTIC SPLICE FUSION	EACH	80
725-23.31	FIBER OPTIC DROP PANEL (12 F)	EACH	1
725-24.01	CABINET (TYPE A)	EACH	1
19 725-24.51	SYSTEM INTEGRATION	LS	1
725-24.55	AS-BUILT PLANS	LS	1
730-13.11	VEHICLE DETECTOR (REMOVE VDS POLE)	EACH	2
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	1410
22 801-01	SEEDING (WITH MULCH)	UNIT	174
22 801-02	SEEDING (WITHOUT MULCH)	UNIT	148
801-03	WATER (SEEDING & SODDING)	M.G.	128
803-01	SODDING (NEW SOD)	S.Y.	11768
6 805-01.01	TURF REINFORCED MAT (CLASS I)	S.Y.	1000
6 805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	1000

- 1 INCLUDES THE REMOVAL OF 1 CATCHBASIN AT CHARLOTTE AVE. AND THE REMOVAL OF A 15" STORM SEWER AT CHARLOTTE AVE.
- 2 INCLUDES REMOVAL OF SLOPE PAVING, SIDEWALKS, CURB AND GUTTER, AND INCIDENTAL ASPHALT REMOVAL.
- 3 INCLUDES EXCAVATION FOR TEMP. CONSTRUCTION ENTRANCE.
INCLUDES EXCAVATION FOR SOIL NAIL AND MSE WALLS TO BOTTOM OF LEVELING PAD
INCLUDES 72 C.Y. FROM EROSION AND SEDIMENT CONTROL
- 4 BACKFILL FOR OVEREXCAVATED AREA
- 5 UNDERCUT 6' DEPTH FOR RETAINING WALLS
- 6 AS DIRECTED BY THE ENGINEER.
- 7 RETAINING WALL # 1 10,686 TONS
RETAINING WALL # 4 11,357 TONS
RETAINING WALL # 5 10,318 TONS
RETAINING WALL # 6 8,246 TONS
RETAINING WALL # 7 1,825 TONS
RETAINING WALL # 8 7,377 TONS
18,781 TONS BETWEEN RETAINING WALLS 2 AND 3
INCLUDES 73 TONS FROM EROSION AND SEDIMENT CONTROL
- 8 INCLUDES THE REMOVAL AND REINSTALLATION OF EXISTING SIGNS FROM 10 GROUND MOUNTED SIGNS WITH POSTS AND FOOTINGS WITHIN THE PROJECT GRADING LIMITS, 3 MEDIAN BARRIER RAIL MOUNTED SIGNS WITH POSTS AND 2 BRIDGE MOUNTED SIGNS.
- 9 ITEM NUMBER INCLUDES THE HD CAMERA AND HOUSING AS WELL AS THE LOWERING DEVICE FOR AN 80' POLE. THE LOWERING DEVICE SHALL BE ABLE TO BE INSTALLED ON EXISTING 80' POLE.
- 10 SEE NES STANDARDS FOR TYPE PULLBOX REQUIRED
- 11 LUMP SUM ITEM CONSISTS OF REMOVAL OF 23 POLES AND LUMINAIRES AND REPLACING THEM ONCE ROADWAY/BRIDGE CONSTRUCTION IS COMPLETED, ITEM ALSO INCLUDES THE FOUNDATION IF REQUIRED.
- 12 SEE NES STANDARD FOR TYPE OF FIXTURE.
- 13 ITEM NUMBER FOR ANY WORK REQUIRED FOR UPDATING OR MODIFIING OF CONTROL CABINET.
- 14 FOR DISCONNECTING AND REINSTALLING OF THE OVER HEAD CABLE FROM POLE 23 TO POLE 30.
- 15 ITEM NUMBER FOR THE COORDINATION WITH NES AND COST OF ANY MODIFICATION TO THE POWER SERVICE POINT.
- 16 ITEM NUMBER IS FOR THE INSTALLATION AND CONFIGURATION OF EXISTING CAMERA POLE THAT WAS REMOVED DURING BRIDGE CONSTRUCTION.
- 17 ITEM NUMBER IS FOR THE INSTALLATION AND CONFIGURATION OF EXISTING CAMERA POLE THAT WAS REMOVED DURING BRIDGE CONSTRUCTION.
- 18 ITEM NUMBER IS FOR THE VERIFICATION AND CLEANING OF ALL NEW AND EXISTING CONDUIT WITHIN THE PROJECT LIMITS AND ALL EQUIPMENT NECESSARY INCLUDING FINAL PULL CABLES.
- 19 ITEM NUMBER INCLUDES THE TESTING OF FIBER OPTIC CABLE ONCE INSTALLED, AND COORDINATION WITH TDOT THROUGHOUT THE PROJECT FROM DISCONNECTING TO FINAL ACCEPTANCE.
- 20 ITEM NUMBER IS FOR THE REMOVAL AND RE-INSTALLATION OF EXISTING 72F FIBER OPTIC CABLE. CONTRACTOR DOES NOT NEED TO PURCHASE ANY NEW 72 FIBER CABLE FOR THIS PROJECT.
- 21 INCLUDES CONTAINMENT AND REMOVAL OF CONTAMINATED SOIL AT JO JOHNSTON AVENUE. SEE SPECIAL NOTES ON SHEET 2L.
- 22 ITEM INCLUDES TEMPORARY STABILIZATION AND SEEDING ON ANY SLOPES RECEIVING SPOIL MATERIAL.
- 23 INCLUDES STRIP TOPSOIL, PLACE AGGREGATE BASE COURSE, DRAINAGE, SILT FENCE, RECLAIM SITE FOR NORTH AND SOUTH MEDIAN LAYDOWN YARDS.
INCLUDES CHAIN LINK FENCE, YARD OFFICES AND UTILITIES, ACCESS AND EGRESS HAUL ROADS, TEMPORARY PRECAST BARRIER WALL FOR PROTECTION OF MEDIAN, TEMPORARY SHORING FOR CASTING PANELS, MOCK UPS FOR BRIDGE ERECTION, AND CONCRETE WASHOUTS FOR SOUTH MEDIAN LAYDOWN YARD.
- 24 INCLUDES 10' TRANSITION FROM EXISTING JERSEY BARRIER TO 32 IN. SINGLE SLOPE BARRIER WALL AT BEGINNING AND END OF PROJECT.
- 25 INCLUDES 305 LF OF BARRIER WALL USED ON OUTSIDE SHOULDERS BETWEEN CSXT RR AND CLINTON AND 167 LF AT CLINTON AND JO JOHNSTON FULL DEPTH PAVEMENT AREAS.
- 26 INCLUDES NEW SIDEWALK, CONCRETE AT EXISTING OVERHEAD SIGN LOCATIONS, AND INCIDENTAL AREAS OF CONCRETE DAMAGED OR REMOVED DURING CONSTRUCTION.
- 27 ITEM NUMBER IS FOR NEW CABLE IN LIGHTING POLES AND INCLUDES FUSES AND FUSE HOLDERS PER NES AND TDOT STANDARDS.
- 28 FOUNDATION DESIGN IS THE RESPONSIBILITY OF THE CONTRACTOR, CONTRACTOR MUST SUBMIT FOUNDATION DESIGN TO TDOT FOR APPROVAL. FOUNDATIONS MUST MATCH EXISTING POLE BOLT PATTERNS.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

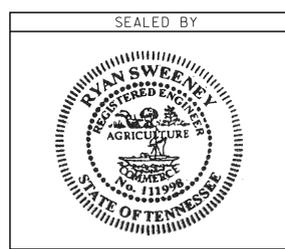
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BH-1-40-4(86)	2N-1

REV. 02/12/15:
SHEET ADDED TO PLAN SET.

REV. 02/19/15:
UPDATED QUANTITIES FOR ITEM NO.'S
203-01 AND 303-10.04.

ESTIMATED GRADING QUANTITIES				
LOCATION	ROAD AND	UNDERCUTTING	GRANULAR BACKFILL	MINERAL AGGREGATE
	DRAINAGE EXC. (UNCL.)		(RETAINING WALLS)	(SIZE 57 OR SIZE 4)
	203-01		303-01.03	303-10.04
	C.Y.	C.Y.	TON	TON
RETAINING WALL #1	2669	2161	3781	10686
RETAINING WALL #2	403	1030	1802	
RETAINING WALL #3	1646	4202	7354	
M.L. I-40 (CSX AND CLINTON)				18781
RETAINING WALL #4	2872	2417	4230	11357
RETAINING WALL #5	2745	2484	4346	10318
RETAINING WALL #6	2338	2297	4020	8246
RETAINING WALL #7	2127	2450	4287	1825
RETAINING WALL #8	2245	2244	3927	7377
TEMP. CONST. ENTRANCE	331			
EROSION & SEDIMENT CONTROL	72			73
TOTALS	17447	19285	33749	68663

PROPOSED BARRIER WALL										
SHEET NO.	LOCATION	SIDE			STATION		BARRIER WALL			
		LT	CL	RT	FROM	TO	32IN SINGLE SLOPE	FLARED SINGLE SLOPE	32IN HALF SINGLE SLOPE	CONC. MEDIAN BARRIER (MOD.)
							711-05.70 (L.F.)	711-05.77 (L.F.)	711-05.81 (L.F.)	711-01.01 (L.F.)
5A	I-40		X		1021+54	1021+64				10
5A	I-40		X		1021+64	1024+55	291			
5A	I-40		X		1028+00	1028+95		95		
5A,6A	I-40		X		1028+95	1031+67	272			
6A	I-40		X		1032+51	1034+03	152			
6A	I-40	X			1032+51	1033+97	146			
6A	I-40			X	1032+51	1034+09	158			
6A	I-40		X		1034+81	1038+53	372			
6A	I-40			X	1034+88	1035+40	52			
6A	I-40			X	1035+40	1038+08			268	
6A	I-40			X	1038+08	1038+70	62			
6A	I-40		X		1039+21	1041+70	249			
6A	I-40			X	1039+39	1039+99	60			
6A,7A	I-40		X		1041+70	1042+50		80		
7A	I-40		X		1042+50	1048+22	575			
7A	I-40		X		1048+22	1049+02		80		
7A	I-40		X		1049+02	1049+44	42			
7A	I-40		X		1050+76	1054+55	379			
7A	I-40		X		1054+55	1054+65				10
TOTALS							2810	255	268	20



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES