TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	PHSIP-345(11)	2

CLAIBORNE CO. S.R. 345
13061-3206-94 (CONST.)

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	203-30.01	ROADWAY APPROACHES	LS	1
	209-03.20	FILTER SOCK (8 INCH)	L.F.	100
	209-05	SEDIMENT REMOVAL	C.Y.	32
	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	1080
(1)(2)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	1
	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	2
	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	2
	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	4
(9)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	1351
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	296
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	156
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	3
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	2
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	474
(8)	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	2337
	611-01.04	MANHOLES, > 12' - 16' DEPTH	EACH	1
	611-01.20	ADJUSTMENT OF EXISTING MANHOLE	EACH	2
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	357
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	2
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	306
	611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	3
	611-12.04	CATCH BASINS, TYPE 12, > 12' - 16' DEPTH	EACH	1
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	1
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	55
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	476
	705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	2
(2)	705-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	20
(1)(4)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	40
	712-01	TRAFFIC CONTROL	LS	1
(2)	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	300
(2)	712-04.02	FLEXIBLE DRUMS (CHANNELIZATION)	EACH	60
	712-06	SIGNS (CONSTRUCTION)	S.F.	351
	713-11.01	"U" SECTION STEEL POSTS	LB.	18
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	264
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	52
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	18
(5)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	166
(7)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	8
	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	4
(6)	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	0.5
(3)	716-12.04	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN DOTTED LINE)	L.F.	130
	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	1
	717-01	MOBILIZATION	LS	1
(1)(4)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	70
(1)(2)	740-11.01	TEMPORARY SEDIMENT TUBE 8IN (DESCRIPTION)	L.F.	200

(1) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
(2) MAY BE INCREASED OR DECREASED AS DIRECTED BY THE TDOT OPERATIONS DISTRICT ENGINEER.
(3) INCLUDES 36 LF OF 8" DOTTED LINE TO BE USED AT INTERSECTION.
(4) FOR TEMPORARY CONSTRUCTION ENTRANCE\EXIT.
(5) REMOVE SIGN & SUPPORT (NO FOOTINGS ON THESE SIGNS) ON APPROXIMATELY TWENTY (20) SIGNS WITHIN THE GRADING LIMITS OR AS DIRECTED BY THE TDOT OPERATIONS DISTRICT ENGINEER.
(6) TO BE USED FOR TEMPORARY MARKING.
(7) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE BID FOR THERMOPLASTIC.
(8) TO BE USED TO ACHIEVE PROPER SUPERELEVATION OR AS DIRECTED BY THE TDOT OPERATIONS DISTRICT ENGINEER. SEE CROSS SECTIONS.
(9) INCLUDES 60 TONS FOR MAINTENANCE OF TRAFFIC.

PROPOSED GUARDRAIL

SHEET NO.	SIDE LT	SIDE RT	STATION FROM	STATION TO	GUARDRAIL SINGLE TYPE 2 705-02.02 (L.F.)	TERMINAL ANCHORS TYPE 38 705-04.07 (EACH)	REMARKS
4B		X	12+36(S.R. 32)	60+00(S.R. 345)	476	2	
TOTALS					476	2	

NOTE: GUARDRAIL LENGTHS ARE APPROXIMATE AND MAY BE ADJUSTED BY THE TDOT DISTRICT OPERATIONS ENGINEER PRIOR TO ERECTION.

DRAINAGE STRUCTURES

SHEET NO.	LOC.	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	SIZE	DEPTH (FT.)	STANDARD DRAWING	MH 611-01.04 12' - 16'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.04 12' - 16'	TYPE 42 611-42.01 0' - 4'	CLASS A CONC. 611-07.01 (C.Y)	REINF. STEEL 611-07.02 (LB.)
4B	RT	53+54.08	22.00	1	1366.17	#12 CB	36"	14.35	D-CB-12P			1			
4B	LT	55+25.62	30.41	2	1365.20	#42	60"	2.83	C-CB-42RB				1		
4B	LT	56+10.00	23.65	3	1358.54	#12 CB	36"	4.42	D-CB-12P		1				
4B	RT	56+10.00	35.85	4		"B"			D-PE-9					1.07	153
4B	LT	56+24.00	59.03	5	1370.68	MH	62"	14.39	D-MH-5	1					
4B	LT	57+40.00	17.32	6	1350.01	#12 CB	36"	4.42	D-CB-12P		1				
4B	LT	58+80.00	13.06	7	1346.54	#12 CB	36"	4.17	D-CB-12P		1				
4B	RT	58+80.00	34.81	8		"B"			D-PE-9					1.07	153
TOTALS										1	3	1	1	2.14	306

ALL COSTS OF THESE ESTIMATED QUANTITIES TO BE INCLUDED IN PRICE BID FOR ROADWAY APPROACHES ITEM NO. 203-30.01

CLEARING & GRUBBING L.S.	ROAD & DRAIN. EXC.(UNCL.) C.Y.	BORROW EXCAVATION (UNCL.) C.Y.	BORROW EXCAVATION GRADED SOLID ROCK TON	WATER M.G.	FURNISHING & SPREADING TOPSOIL C.Y.	SODDING (NEW SOD) S.Y	WATER SEEDING & SODDING M.G.
1	907	1107	682	5	192	2302	1

NOTE: NO CHANGE IN COMPENSATION WILL BE MADE FOR NORMAL VARIATIONS IN ESTIMATED QUANTITIES.

ESTIMATED GRADING QUANTITIES

STATION TO STATION	ROAD & DRAINAGE EXC. (UNCL.) EXC. COMMON - C.Y.	EXC. TOPSOIL-C.Y	BORROW EXCAVATION UNCL. - C.Y.	GRADED SOLID ROCK TON	TOPSOIL-C.Y	EMB. C.Y.
52+50 TO 60+50(S.R. 345\CHURCH)	809	0	992	682	0	1716
11+50 TO 13+00(S.R. 32)	98	0	115	0	0	202
TOTALS	907	0	1107	682	0	1918

NOTE: QUANTITIES INCLUDE PRIVATE DRIVES

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (L.F.) 18"
4B	2	1362.37	3	1354.29	9.6	84.40
4B	3	1354.12	4	1353.13	1.7	57.00
4B	5	1356.29	3	1354.29	4.5	33.00
4B	6	1345.59	7	1342.29	2.4	137.00
4B	7	1342.12	8	1340.05	4.5	46.00
TOTALS						357.4

SEE SHT 2A FOR ESTIMATED SIGNAL QUANTITIES

SEALED BY
PAUL THOMAS BERRE
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
No. 102366
STATE OF TENNESSEE
06/10/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES AND TABULATED QUANTITIES

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