TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	BRZE-2600(37)	2A

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

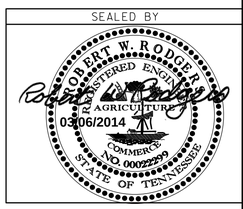
ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
	202-04.01	REMOVAL OF STRUCTURES (EXISTING 2-LANE BRIDGE)	LS	1
(3)(1)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	1334
(19)	203-01.77	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	70
(19)	203-01.79	EXCAVATION/BACKFILL	C.Y.	120
(11)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	1521
	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	3411
(18)	203-05	UNDERCUTTING	C.Y.	116
	203-06	WATER	M.G.	22
(19)	203-07	FURNISHING AND SPREADING TOPSOIL	C.Y.	60
(19)	203-10.01	EMBANKMENT (SOLID ROCK)	C.Y.	120
(2)	209-02.03	8" TEMPORARY SLOPE DRAIN	L.F.	376
(19)	209-03.42	STREAM MITIGATION - LIVE BRANCH LAYERING	L.F.	35
(2)	209-05	SEDIMENT REMOVAL	C.Y.	96
(10)(2)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	4135
(2)	209-09.01	SANDBAGS	BAG	602
ALT (2)	209-09.02	TEMPORARY SEDIMENT FILTER BAG(15' X 15' X 2')	BAG	8
ALT (2)	209-10.01	TEMPORARY DEWATERING STRUCTURE	C.Y.	2384
(13)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	1598
(10)(4)(2)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	719
(14)	307-01.08	ASPHALT CONCRETE MIX (PG64-22)(BPMB-HM)GR B-M2	TON	289
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	6
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	21
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	1
(15)	411-01.10	ACS MIX(PG64-22) GRADING D	TON	180
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	119
	610-07.03	18" PIPE DRAIN (BRIDGE DRAIN)	L.F.	200
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	8
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	808
	611-07.03	STRUCTURAL STEEL (PIPE ENDWALLS)	LB.	228
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	50
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	174
	705-04.04	GUARDRAIL TERMINAL (TYPE 21)	EACH	4
(12)	707-03.14	FIVE STRAND BARBED WIRE FENCE	L.F.	300
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	540
(17)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	282
(6)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	3352
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1668
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	8
	712-06	SIGNS (CONSTRUCTION)	S.F.	261
(8)	712-06.01	VERTICAL PANELS	S.F.	112
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	40
	713-16.05	RAILROAD CROSS-BUCK SIGN AND SUPPORT	EACH	2
	713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH	2
	713-16.20	SIGNS (R1-2 YIELD SIGN)	EACH	2
	713-16.21	SIGNS (R1-1 STOP SIGN AND SUPPORT)	EACH	1
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	12
	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	2
	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	2
(5)	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	2.2
	717-01	MOBILIZATION	LS	1
(19)	740-07.01	GEOGRID REINFORCEMENT	S.Y.	110
(7)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	3107
(18)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	1909
	801-02	SEEDING (WITHOUT MULCH)	UNIT	56
(9)	801-03	WATER (SEEDING & SODDING)	M.G.	37
	803-01	SODDING	S.Y.	3108
(16)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	2009

FOOTNOTES

(1) INCLUDES 949 C.Y. FOR TEMPORARY BERM FOR EPSC.
(2) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE AS DIRECTED BY THE ENGINEER.
(3) REFER TO SPECIAL NOTES.
(4) INCLUDES 547 TONS FOR HAUL ROADS AND 50 TONS FOR ROCK PAD.
(5) INCLUDES 1.06 L.M. FOR TEMPORARY AND 1.06 L.M. FOR PERMANENT STRIPING.
(6) INCLUDES 283 TONS FOR EPSC, 47 TONS FOR CROSS DRAINS, 2567 TONS FOR HAUL ROADS 253 TONS FOR BRIDGE BACKFILLING, & 203 TONS FOR GEOTECHNICAL WORK (SEE SOILS SHEETS).
(7) INCLUDES 767 S.Y. FOR EPSC, 40 S.Y. FOR CROSS DRAINS, 2200 S.Y. FOR HAUL ROADS AND 100 S.Y. FOR ROCK PAD.
(8) INCLUDES 56 LEFT PANELS (VP-1L) AND 56 RIGHT PANELS (VP-1R).
(9) INCLUDES 6 MG FOR EROSION PREVENTION AND SEDIMENT CONTROL.
(10) SEE SHEET NO. 8
(11) INCLUDES 1176 TONS FOR ROCK PAD AND 345 TONS FOR GEOTECHNICAL WORK (SEE SOILS SHEETS).
(12) TO REPLACE EXISTING FENCE ON TRACT 3 – CONSTRUCTION EASEMENT BORDER.
(13) INCLUDES 26 TONS FOR PRIVATE DRIVE AND 219 TONS FOR INTERSECTION.
(14) INCLUDES 74 TONS FOR INTERSECTION.
(15) INCLUDES 9 TONS FOR PRIVATE DRIVE AND 47 TONS FOR RESURFACING.
(16) TO BE USED ON PROPOSED FILL SLOPE AREAS.
(17) FOR TEMPORARY CONSTRUCTION EXITS.
(18) TO BE USED FOR GEOTECHNICAL WORK (SEE SOILS SHEETS).
(19) FOR BANK STABILIZATION.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

06-MAR-2014 12:08
\\JU02WF01.tdot.state.tn.us\02Shared\Design County Folders\Franklin\Leon Stephens Road\TDOT_Design\FRLeonRussell002A.sht