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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	BR-NH-40(16)	2A

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
(17),(18)	201-01	CLEARING AND GRUBBING	LS	1
(1)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	7150
	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	275
	203-06	WATER	M.G.	120
(21)	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	13
(2)	209-03.23	FILTER SOCK (24 INCH)	L.F.	290
(2)	209-05	SEDIMENT REMOVAL	C.Y.	17
(2)	209-08.07	ROCK CHECK DAM PER	EACH	15
(2)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	7
(2)	209-08.09	FILTER SOCK CHECK DAM	EACH	10
(2)	209-09.04	SEDIMENT FILTER BAG(15' X 10')	EACH	2
(2)	209-13.04	TURBIDITY CURTAIN (OCOEE LAKE)	L.F.	1500
(2)	209-40.48	CATCH BASIN FILTER ASSEMBLY(TYPE 8)	EACH	3
(2),(13)	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	1650
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	4600
(5)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	2366
(23)	303-10.04	MINERAL AGGREGATE (SIZE 1)	TON	7167
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	860
	307-01.02	ASPHALT CEMENT (PG64-22) (BPMB-HM) GRADING A-S	TON	16
	307-01.03	AGGREGATE (BPMB-HM) GRADING A-S MIX	TON	460
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	550
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	10
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	40
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	3.5
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	225
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	275
	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	0.5
	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	1800
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	201
	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	65
	610-07.03	18" PIPE DRAIN (BRIDGE DRAIN)	L.F.	70
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	4
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	73
	611-40.02	CATCH BASINS, TYPE 40, > 4' - 8' DEPTH	EACH	1
	611-43.02	CATCH BASINS, TYPE 43, > 4' - 8' DEPTH	EACH	2
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	135
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	1258
	705-04.02	GUARDRAIL TERMINAL (TYPE 12)	EACH	1
(14),(16)	705-04.21	GUARDRAIL DELINEATION ENHANCEMENT	L.F.	1853
(3)	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	2
	706-01	GUARDRAIL REMOVED	L.F.	1310
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	150
	707-10.02	ROCKFALL FENCE (TYPE 2)	L.F.	848
(2)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	175
(9)	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	43880
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	2600
	710-05	LATERAL UNDERDRAIN	L.F.	160
	710-06.11	LATERAL UNDERDRAIN ENDWALL (2:1)	EACH	8
(15),(16)	711-04.21	CONCRETE BARRIER DELINEATION ENHANCEMENT	L.F.	2102
(22)	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	950

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	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	4
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	23
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	46
	712-06	SIGNS (CONSTRUCTION)	S.F.	155
(11)	712-06.01	VERTICAL PANELS	S.F.	124
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	24
	713-02.35	BARRIER DELINEATION SHEETING	L.F.	2500
(12)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
	713-16.20	SIGNS (TN-5 W/ 1-U6 SUPPORT)	EACH	2
	713-16.21	SIGNS (R2-1 W/ 1-U6 SUPPORT)	EACH	1
	716-01.05	TEMPORARY RAISED PAVEMENT MARKER	EACH	45
	716-01.21	SNWPLWBLE PVMT MRKRS (BI-DIR)(1 COLOR)	EACH	17
(20)	716-04.04	PLASTIC PAVEMENT MARKING (TRANSVERSE SHOULDER)	L.F.	180
	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	2
	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	1750
	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	1
	717-01	MOBILIZATION	LS	1
(2),(7),(10)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	1520
	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	15710
(2)	740-11.05	TEMPORARY SEDIMENT TUBE 24IN (EROSION CONTROL)	L.F.	360
(4)	801-01.06	SEEDING (SPECIAL MIXTURE)	UNIT	15
(4),(6)	801-01.08	SEEDING (SPECIAL MIXTURE) WITH MULCH	UNIT	10
(2),(6)	801-01.65	TEMPORARY MULCH	UNIT	5
	801-03	WATER (SEEDING & SODDING)	M.G.	2
(19)	801-07	SEED (SUPPLEMENTAL APPLICATION)	LB.	10
(6)	801-08	FERTILIZER (SUPPLEMENTAL APPLICATION)	TON	1
	805-01.02	TURF REINFORCEMENT MAT (CLASS II)	S.Y.	1100
	805-12.01	EROSION CONTROL BLANKET (TYPE I)	S.Y.	200

(1) INCLUDES 100 C.Y. FOR EROSION CONTROL (TEMPORARY CONSTRUCTION EXITS)
(2) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINENANCE REPLACEMENT
(3) THIS ITEM SHALLBE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF NCHRP 350 FOR TEST LEVEL 3. EXAMPLES WOULD BE A QUAD-GUARD, A REACT 350 OR A TRACC. THE PAY ITEM WILL NOT INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.
(4) SEE PROJECT COMMITMENTS FOR SEEDING GUIDELINES
(5) INCLUDES 2159 TONS FOR FILTER LAYER AND 84 TONS FOR EPSC AND 123 TONS TO PLACED IN ABUTMENT PILE LOCATIONS.
(6) TO BE USED AS DIRECTED BY THE ENGINEER
(7) INCLUDES 100 SY FOR TEMP. CONST. EXITS, 85 SY FOR SEDIMENT FILTER BAG AND 135 SY FOR ROCK SILT SCREENS.
(8) INCLUDES 1400 CY FOR BRIDGE ABUTMENTS
(9) INCLUDES 3300 TONS FOR BRIDGE ABUTMENTS
(10) INCLUDES 1200 SY FOR BRIDGE ABUTMENTS
(11) FOR VERTICAL PANELS VP-1R = 62 SF AND VP-1R = 62 SF
(12) REMOVE SIGNS AND SUPPORTS (NO FOOTINGS ON THESE SIGNS) ON APPROXIMATELY FIVE (5) EXISTING SIGNS
(13) INCLUDES 1500 L.F. FOR USE AS AN ALTERNATE TO THE TURBIDITY CURTAIN DURING EXTREME LOW FLOWS.
(14) INCLUDES 460 L.F. FOR EXISTING GUARDRAIL IN PHASE I TRAFFIC CONTROL AND 1393 L.F. FOR PROP. GUARDRAIL
(15) INCLUDES 1240 L.F. FOR TEMP. TRAFFIC CONTROL AND 862 L.F. FOR PROP. ROCKFALL FENCE
(16) LENGTH INDICATED IS GROSS LENGTH TO BE DELINEATED, NOT PRODUCT LENGTH
(17) COST TO INCLUDE PERMIT FROM US FOREST SERVICE FOR TREE REMOVAL IF REQUIRED
(18) COST TO INCLUDE THE CHIPPING AND USE OF CLEARING AND GRUBBING DEBRIS AS MULCH ONSITE OR DISPOSAL OFFSITE
(19) SUPPLEMENTAL SEED TO BE SPECIAL MIXTURE
(20) 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
(21) TO BE USED TO FILL EXISTING PIPES STA. 62+44.74, 63+05.22 AND 71+78.86
(22) TO INCLUDE GRINDING OF EXISTING PAVEMENT MARKINGS
(23) SEE BENCHING DETAIL ON SHEET 11B.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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