TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2018	33002-4177-04	2A

REV. 10-24-18: REVISED QUANTITY 607-06.02

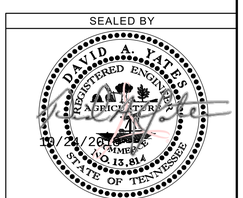
ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES, AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
1)	202-02.21	REMOVAL OF PIPE (18" RCP)	L.F.	18
	202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	454
	202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	700
	203-01	ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	4129
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	603
	203-06	WATER	M.G.	1
2)	209-03.22	FILTER SOCK (18 INCH)	L.F.	1456
2)	209-05	SEDIMENT REMOVAL	C.Y.	36
2)	209-08.07	ROCK CHECK DAM PER	EACH	9
2)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	1
2)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	2
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	111
2)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	3
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	61
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	21
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	1
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	1
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	500
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	10
	411-02.11	ACS MIX (PG70-22) GRADING E SHOULDER	TON	2
	501-01.03	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 10"	S.Y.	57
	502-04.01	SAWING CONCRETE PAVEMENT (FULL DEPTH)	L.F.	50
	502-04.02	LOAD TRANSFER DOWELS	EACH	44
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	82
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	74
	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	322
	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	50
	611-01.02	MANHOLES, > 4' - 8' DEPTH	EACH	2
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	10
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	1061
	611-07.54	18" ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-12.01	CATCH BASINS, TYPE 12, > 0' - 4'	EACH	1
	702-03	CONCRETE CURB AND GUTTER	C.Y.	18
	703-01	PORTLAND CEMENT CONCRETE DITCH PAVING	C.Y.	2
	705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	184
	705-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	1
5)	705-08.51	PORTABLE IMPACT ATTENUATOR (NCHRP 350 TL-3)	EACH	3
2) 4)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	213
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	915
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	66
	712-04.50	PORTABLE BARRIER RAIL DELINEATORS	EACH	46
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	8
	712-06	SIGNS (CONSTRUCTION)	S.F.	648
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	175
	712-08.03	ARROW BOARD (TYPE C)	EACH	1
6)	713-15.02	REMOVAL & RELOCATION OF SIGN & SUPPORT	EACH	8
	713-16.04	CHANGEABLE MESSAGE SIGN	EACH	6
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	1
	717-01	MOBILIZATION	LS	1
2) 3)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	360
7)	797-11.38	BY-PASS PUMPING	LS	1
2)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	26
2)	801-03	WATER (SEEDING & SODDING)	M.G.	3
2)	803-01	SODDING (NEW SOD)	S.Y.	2831

NOTES:

1) AT S.R. 2 (CUMMINGS HWY) STA. 412+05.79 TO STA. 412+90.98.
2) SEE SECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT.
3) INCLUDES 137 S.Y. FOR CULVERT PROTECTION TYPE I.
4) INCLUDES 83 TONS FOR CULVERT PROTECTION TYPE I.
5) THIS ITEM SHALL BE 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 INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.
6) ALL SIGNS THAT ARE TO BE REMOVED FOR GRADING WORK SHALL BE SAVED AND REPLACED IN THE SAME LOCATION AFTER GRADING IS DONE.
7) 500GPM CAPABLE SYSTEM

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

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10/24/2018 3:41:53 PM
\\JJ02WF01.tdot.state.tn.us\02Shared\Design County Folders\Hamilton\SR 2 RSAR Cummings Hwy\Proposed Drainage Solutions May 2018\Revisions\10-24-18\002A 10-24-18.sht