TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	19010-4164-04	2B

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

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	307-03.08	ASPHALT CONCRETE MIX (PG76-22) (BPMB-HM) GRADING B-M2	TON	125
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	1
	411-03.10	ACS MIX (PG76-22) GRADING D	TON	63
	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	473
2	705-08.51	PORTABLE IMPACT ATTENUATOR (NCHRP 350, TL-3)	EACH	1
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	1,460
3	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	170
	712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	48
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	81
	712-06	SIGNS (CONSTRUCTION)	S.F.	720
4	712-06.16	SIGNS (CONSTRUCTION) (REDUCED SPEED WARNING)	EACH	5
	712-08.03	ARROW BOARDS (TYPE C)	EACH	2
5	713-16.01	CHANGEABLE MESSAGE SIGN	EACH	4
	716-01.22	SNWPLWBLE PVMT MRKRS (MONO-DIR) (1 COLOR)	EACH	6
6	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6 IN LINE)	L.M.	0.1
	717-01	MOBILIZATION	LS	1

FOOTNOTES

1. ALL DIMENSIONAL DETAILS SHOWN ON PLANS, INCLUDING ELEVATIONS, SHALL BE CHECKED BY THE CONTRACTOR TO ASSURE ACCURACY OF THE LAYOUT PRIOR TO CONSTRUCTION. ALL BRIDGE SUBSTRUCTURES SHALL BE CHECKED AS TO LOCATION, DIMENSIONAL LAYOUTS AND ELEVATIONS, BY MEANS OF TWO INDEPENDENT LAYOUT METHODS. ANY ERRORS AND APPARENT DISCREPANCIES FOUND IN PREVIOUS SURVEYS, OR IN EITHER THE SPECIFICATIONS OR SPECIAL PROVISIONS, SHALL BE CALLED TO THE ENGINEER'S ATTENTION BY THE CONTRACTOR IMMEDIATELY AND PRIOR TO PROCEEDING WITH WORK.
2. "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 LISTED ON THE MANUFACTURERS BILL OF MATERIALS."
3. QUANTITY DENOTES NUMBER OF DRUMS NECESSARY FOR PHASE II TRAFFIC CONTROL, AND INCLUDES DRUMS NECESSARY FOR PHASE I TRAFFIC CONTROL.
4. ITEM TO BE USED ONLY WHEN THE CONTRACTOR ESTABLISHES A REDUCED SPEED LIMIT WITHIN THE PROJECT CONSTRUCTION WORK ZONE LIMITS. ITEM INCLUDES SIGN FACE, SUPPORTS, AND TWO TYPE "B" FLASHERS PER THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TURNING ON THE TYPE "B" FLASHERS WHEN WORKERS ARE IN THE CONSTRUCTION WORK ZONE AND TURNING THEM OFF WHEN WORKERS ARE NO LONGER IN THE CONSTRUCTION WORK ZONE.
5. COORDINATE WITH T.D.O.T. CONSTRUCTION DIVISION FOR LOCATION AND MESSAGE FOR CHANGEABLE MESSAGE SIGN.
6. 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.

JAMES R. GILLESPIE JR.
REGISTERED ENGINEER
NO. 102630
STATE OF TENNESSEE
03/11/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 19-I24-15.42LT
BRIDGE NO. 19-I24-15.42RT
INTERSTATE 24 OVER
CUMBERLAND RIVER
DAVIDSON COUNTY
2014

ESTIMATED
ROADWAY
QUANTITIES