CONST. NO. 02014-3212-94

TYPE	YEAR	PROJECT NO.	SHEET NO.
	2015	BR-STP-130(20)	2

1 9-16-15 SAS MODIFIED QUANTITIES AND ADDED REVISION DATES

BEDFORD COUNTY

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	X081	X081	
				BRIDGE NO. 1 STATE ROUTE 130 OVER SUGAR CREEK STATION 439+20.00 LOG MILE 8.30 CONTINUOUS PRECAST PRESTRESSED CONCRETE I-BEAM WITH COMPOSITE CONCRETE DECK SLAB 3 SPAN BRIDGE SPAN NO. 1 = 65'-0" SPAN NO. 2 = 80'-0" SPAN NO. 3 = 65'-0" TOTAL LENGTH = 210'-0" 40'-0" ROADWAY WITH STD-1-1SS PARAPET 45• SKEW LAYOUT DWG. NO. U-73-1	BRIDGE NO. 2 STATE ROUTE 130 OVER DAVIS BRANCH STATION 519+21.00 LOG MILE 9.83 SIMPLE PRECAST PRESTRESSED CONCRETE BULB-TEE BEAM WITH COMPOSITE CONCRETE DECK SLAB 1 SPAN BRIDGE TOTAL LENGTH = 112'-0" 40'-0" ROADWAY WITH STD-1-1SS PARAPET 45• SKEW LAYOUT DWG. NO. U-73-21	RETAINING WALL NO. 1 ALONG STATE ROUTE 130 STATION 518+00.00 TO STATION 518+28.00 21.00 FT. RIGHT LAYOUT DWG. NO. U-61-47
				QUANTITIES	QUANTITIES	QUANTITIES
202-04.01	REMOVAL OF STRUCTURES (EXIST. BR. NO. 02-SR130-8.30)	L.S.	1	1		
202-04.02	REMOVAL OF STRUCTURES (EXIST. BR. NO. 02-SR130-9.83)	L.S.	1		1	
204-02.01	DRY EXCAVATION (BRIDGES)	C.Y.	408	222	186	
204-03.01	WET EXCAVATION (BRIDGES)	C.Y.	259	191	68	
204-04.01	ROCK EXCAVATION (BRIDGES)	C.Y.	59	20	39	
204-05	ROCK DRILLING (BRIDGES)	L.F.	132	72	60	
204-10.01	FOUNDATION PREPARATION (PIER NO. 1 - STA. 438+80.00)	L.S.	1	1		
204-10.02	FOUNDATION PREPARATION (PIER NO. 2 - STA. 439+60.00)	L.S.	1	1		
204-10.03	FOUNDATION PREPARATION (ABUT. NO. 1 - STA. 518+65.00)	L.S.	1		1	
204-10.04	FOUNDATION PREPARATION (ABUT. NO. 2 - STA. 519+77.00)	L.S.	1		1	
303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	77	34	43	
604-01.32	CLASS 'A' CONCRETE (LEVELING)	C.Y.	20		20	
604-02.03	EPOXY COATED REINFORCING STEEL	LB.	111,236	83,614	27,622	
604-03.01	CLASS 'A' CONCRETE (BRIDGES)	C.Y.	488	351	137	
604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	72,688	54,815	17,873	
604-03.04	PAVEMENT AT BRIDGE ENDS	S.Y.	408	204	204	
604-03.09	CLASS 'D' CONCRETE (BRIDGE DECK)	C.Y.	397	244	153	
604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	1,855	1,159	696	
604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	1,711	1,056	655	
604-07.01	RETAINING WALL NO. 1	S.F.	295.26			295.26
606-02.03	STEEL PILES (10 INCH)	L.F.	290	290		
606-02.06	PILE TIPS (STEEL PILES, 10 INCH)	EA.	20	20		
615-01.03	PRESTRESSED CONCRETE I-BEAM (TYPE III)	L.F.	1,005	1,005		
615-01.11	PRESTRESSED CONCRETE BULB-TEE (6" WEB)(BT-63)	L.F.	528		528	
617-02	BRIDGE DECK CRACK SEALING	L.F.	418	258	160	
617-05	SEALANT (HMWM)	GAL.	2	1	1	
620-05.01	CONCRETE PARAPET SINGLE SLOPE (STD-1-1SS)	L.F.	792	474	290	28
710-09.01	6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM	L.F.	312	150	162	
710-09.02	6" PIPE UNDERDRAIN	L.F.	71	32	39	

LIST OF DRAWINGS

TITLE	DWG. NO.	LAST REV. DATE
LAYOUT OF BRIDGE NO. 1	U-73-1	9-16-15
THRU		
BILL OF STEEL	U-73-20	9-16-15
LAYOUT OF BRIDGE NO. 2	U-73-21	-------
THRU		
BILL OF STEEL	U-73-34	-------
RETAINING WALL NO. 1	U-61-47	-------
THRU		
RETAINING WALL NO. 1	U-61-49	-------

LIST OF STANDARD DRAWINGS

TITLE	DWG. NO.	LAST REV. DATE
BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET	STD-1-1SS	05-01-14
PAVEMENT AT BRIDE ENDS	STD-1-5	03-26-14
BRIDGE END DRAIN 2'-0" × 8'-7" WITH PAVEMENT @ BRIDGE ENDS	STD-1-6	04-28-97
BRIDGE END DRAIN 2'-0" × 8'-7" WITH PAVEMENT @ BRIDGE ENDS	STD-1-7	08-24-11
BRIDGE END DRAIN 2'-0" × 8'-7" WITH PAVEMENT @ BRIDGE ENDS	STD-1-8	05-01-95
STANDARD PRECAST, PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD-4-1	04-08-05
STANDARD PRECAST, PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA	STD-4-2	04-08-05
STANDARD PRECAST, PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD-4-3	03-02-02
STANDARD PRECAST, PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS	STD-4-4	06-10-96
STANDARD PILE DETAILS	STD-5-1	10-25-93
STANDARD PILE DETAILS	STD-5-2	05-01-14
STANDARD SEISMIC DETAILS	STD-6-1	11-01-10
STANDARD SEISMIC DETAILS	STD-6-2	11-07-94
REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS	STD-9-1	10-07-08
MISCELLANEOUS ABUTMENT & DRAINAGE DETAILS	STD-10-1	04-08-05
STANDARD DETAILS AND INTERMEDIATE DIAPHRAGM DETAILS FOR PRESTRESSED BULB-TEE	STD-14-1	05-01-14
STANDARD DETAILS AND INTERMEDIATE DIAPHRAGM DETAILS FOR PRESTRESSED I-BEAMS	STD-14-2	11-01-10

LIST OF SPECIAL PROVISIONS

TITLE	PROV. NO.	LAST REV. DATE
REGARDING REPAIR OF BRIDGE DECK CRACK	604CR	02-19-96
REGARDING RETAINING WALL	624	05-18-15

LIST OF REFERENCE DRAWINGS

EXISTING - B-2-16, B-6-76, C-10-6, C-10-7, C-8-75

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED BRIDGE QUANTITIES

BY: M. DYE