CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.
85008-4206-04	2015	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	8-25-15	TAK	REV. QUANTITIES & NOTES

ESTIMATED BRIDGE QUANTITIES

BRIDGE 1
SR-260 OVER
LITTLE GOOSE CREEK
BR. NO 85-SR260-5.58

	ITEM NO.	DESCRIPTION	UNIT	BRIDGE QUANTITIES	SUPERSTRUCTURE	ABUT. NO. 1	PIER NO. 1	PIER NO. 2	ABUT. NO. 2
(2)	202-04.01	REMOVAL OF STRUCTURES (PARTIAL, BR. NO. 85-SR260-05.58)	LS	1					
(3)	204-04.01	ROCK EXCAVATION (BRIDGES)	C.Y.	10			5	5	
	204-05	ROCK DRILLING (BRIDGES)	L.F.	24			12	12	
(3)	204-04.10	STRUCTURE EXCAVATION UNCLASSIFIED	C.Y.	30		15			15
(4)	204-10.05	FOUNDATION PREPARATION(PIER NO. 1)	LS	1			1		
(4)	204-10.06	FOUNDATION PREPARATION(PIER NO. 2)	LS	1				1	
(5)	303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	52		26			26
(6)	602-10.05	BRACING REPAIRS	LS	1					
(7)	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	40663	38,067	1,298			1,298
(9) (8)	604-03.01	CLASS A CONCRETE (BRIDGES)	C.Y.	122		23	38	38	23
	604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	17754	998	2,913	5,465	5,465	2,913
(12)	604-03.04	PAVEMENT @ BRIDGE ENDS	S.Y.	120					
(13)	604-03.09	CLASS D CONCRETE (BRIDGE DECK)	C.Y.	188	188				
(14)	604-04.02	APPLIED TEXTURE FINISH (EXISTING STRUCTURES)	S.Y.	1013	517	72	176	176	72
(15)	604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	787	787				
(16)	604-10.05	CONCRETE	S.F.	10				10	
(17)	604-10.14	REMOVE EXISTING WEARING SURFACE	LS	1					
(16)	604-10.54	CONCRETE REPAIRS	S.F.	10				10	
	606-02.03	STEEL PILES (10 INCH)	L.F.	240		120			120
(18)	606-02.06	PILE TIPS (STEEL PILES, 10 INCH)	EACH	12		6			6
	615-02.03	PRESTRESSED CONCRETE BOX BEAM (21" X 36")	L.F.	660					
(19)	617-02	BRIDGE DECK CRACK SEALING	L.F.	510					
(20)	617-05	SEALANT (HMWM)	GAL.	7					
	620-05.01	CONC PARAPET SINGLE SLOPE (STD-1-1SS)	L.F.	398					
(21)	710-09.01	6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM	L.F.	156		78			78
	710-09.02	6" PIPE UNDERDRAIN	L.F.	66		33			33
	712-02.47	BRIDGE MOUNTED INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	200					

FOOTNOTES:

(1) SEE ROADWAY SHEET 1A FOR REPORTING INFORMATION RELATED TO ASBESTOS ENCOUNTERED DURING BRIDGE DEMOLITION.

(2) ITEM INCLUDES PHASED REMOVAL OF EXISTING BRIDGE (BR. NO. 80-SR080-05.75) SUPERSTRUCTURE, PARTIAL REMOVAL OF BENTS, PARTIAL REMOVAL OF ABUTMENT AND WINGWALLS, AND OTHER AREAS DESIGNATED IN THE PLANS.

(3) EXCAVATION BASED ON EXISTING GROUND LINE.

(4) SEE SECTION 204 OF THE STANDARD SPECIFICATIONS. IF COFFERDAMS ARE REQUIRED, THEY SHALL BE IN ACCORDANCE WITH SECTION 204.09 OF THE STANDARD SPECIFICATIONS.

(5) NOTE: GRANULAR BACKFILL SHALL BE CLASS "A" GRADING "D" MATERIAL. SEE STANDARD DRAWING STD-10-1.

(6) BRACING MAY BE REQUIRED TO SUPPORT PORTIONS OF THE SUPERSTRUCTURE AND SUBSTRUCTURE DURING REPAIRS. BRACING ALSO INCLUDES ALL FORMWORK REQUIRED SO THAT NO DEBRIS IS ALLOWED TO ENTER THE STREAM.

(7) COST OF ANY REQUIRED COUPLERS (EPOXY COATED) SHALL BE INCLUDED IN COST OF EPOXY COATED REINFORCING STEEL.

(8) NOTE: CLASS "A" CONCRETE IS FOR CONSTRUCTION OF THE BENTS AND ABUTMENTS. F'c = 3,000 PSI (10 DAY) IS REQUIRED. SEE NOTES ON DRAWING 2A.

(9) NOTE: COST OF RUBBER BONDING CEMENT AND ELASTOMERIC BEARING PADS TO BE INCLUDED IN UNIT PRICE BID FOR CLASS "A" CONCRETE.

(12) NOTE: PRIOR TO CONSTRUCTION OF THE PAVEMENT AT BRIDGE ENDS, THE CONTRACTOR SHALL SUBMIT A PROPOSED BILL OF STEEL TO THE ENGINEER FOR APPROVAL.

(13) NOTE: COST LABOR AND MATERIALS FOR INSTALLATION OF 18 DECK DRAINS TO BE INCLUDED IN UNIT PRICE BID FOR CLASS "D" CONCRETE.

(14) NOTE: SEE APPLIED TEXTURE NOTES AND DETAIL THIS SHEET.

(15) NOTE: COST INCLUDES ALL LABOR AND MATERIALS TO MECHANICALLY GROVE BRIDGE DECK AND PAVEMENT AT BRIDGE ENDS, INCLUDING THE REMOVAL OF THE GROOVING RESIDUE.

(16) THIS ITEM IMAY BE INCREASED, DECREASED OR ELIMINATED FROM THE PROJECT AS DIRECTED BY THE ENGINEER.

(17) ESTIMATED AVERAGE THICKNESS OF PAVEMENT TO BE REMOVED IS 7".

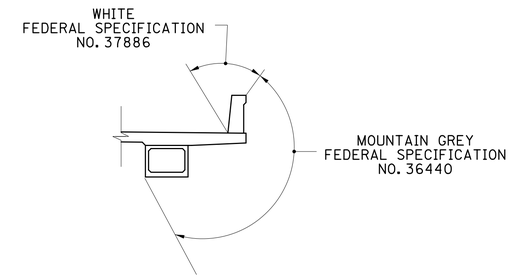
(18) NOTE: THE UNIT PRICE BID FOR THE CAST STEEL PILE TIPS SHALL INCLUDE FURNISHING AND INSTALLING TO THE PILES.

(19) NOTE: INCLUDES ALL COSTS FOR INSTALLING THE BRIDGE DECK CRACK SEALER (HMWM) INCLUDING CRACK PREPARATION, CLEANING, LABOR AND ALL MISCELLANEOUS MATERIALS REQUIRED TO SEAL THE LONGITUDINAL AND TRANSVERSE CONSTRUCTION JOINTS ACCORDING TO SPECIAL PROVISION 604CR AND MANUFACTURER'S SPECIFICATIONS. THIS ITEM DOES NOT INCLUDE FURNISHING THE SEALANT ITSELF.

(20) NOTE: INCLUDES ALL COSTS FOR FURNISHING THE SEALER (HMWM) FOR SEALING CRACKS. THE SEALER (HMWM) SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION 604CR.

(21) NOTE: GRANULAR BACKFILL SHALL BE CLASS "A" GRADING "D" MATERIAL. SEE STANDARD DRAWING STD-10-1. COST OF ALL MATERIALS NEEDED FOR INSTALLATION SHALL BE INCLUDED IN BID ITEMS.

(22) NOTE: COST OF BITUMENOUS FIBERBOARD, AND ALL MISCELLANEOUS JOINT MATERIALS TO BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.



LIMITS OF TEXTURE FINISH

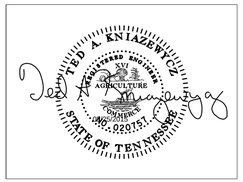
NOTE: IN ADDITION TO PORTIONS SHOWN IN THE TEXTURE FINISH SKETCH, THE FOLLOWING EXPOSED CONCRETE IS TO RECEIVE AN APPLIED TEXTURE FINISH: ABUTMENT AND WINGS TO GROUND LINE.

NOTE: COST OF TEXTURE COATING SHALL BE INCLUDED IN ITEM NO. 604-04.02. ALSO INCLUDES EXPOSED SURFACES OF WING WALLS AND ABUTMENTS.

NOTE: BEFORE APPLYING ANY TEXTURE FINISH, ALL SURFACES SHALL BE COMPLETELY CLEANED OF ALL DEBRIS AND FOREIGN MATERIALS.

NOTE: THE CONTRACTOR SHALL USE CONTAINMENT SCREENS OR OTHER MEASURES AS NECESSARY TO PREVENT ANY TEXTURE COATING FROM ENTERING THE ENVIRONMENT. CONTAINMENT MEASURES SHALL BE APPROVED BY THE ENGINEER AND COST SHALL BE INCLUDED IN ITEMS BID NO.

NOTE: CONCRETE FINISHING SHALL BE IN ACCORDANCE WITH SECTION 604.22 OF THE TENNESSEE STANDARD SPECIFICATION. A CLASS I FINISH FOLLOWED BY AN APPLIED TEXTURE FINISH SHALL BE USED IN LIEU OF A CLASS II FINISH. THE COLOR OF THE FINISH SHALL BE SIMILAR TO MOUNTAIN GRAY, FEDERAL SPECIFICATION NO. 36440, FEDERAL COLOR STANDARD NO. 595A, EXCEPT THAT THE INSIDE FACE AND TOP OF THE PARAPET SHALL BE WHITE, FEDERAL SPECIFICATION NO. 37886. A COLOR SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO TEXTURE FINISH SHALL BE APPLIED PRIOR TO COMPLETION OF PAVING AND HAUL OPERATIONS AT THE BRIDGE SITE. THE APPLIED TEXTURE FINISH SHALL BE MEASURED AND PAID FOR UNDER ITEM 604-04.02.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED BRIDGE QUANTITIES

STATE ROUTE 260
OVER
LITTLE GOOSE CREEK
BR. NO. 85-SR260-05.58
TROUSDALE COUNTY
2015

PIN NO. 120027.00

DESIGNED BY GRESHAM SMITH & PARTNERS DATE 7/2014
DRAWN BY R. PALMER DATE 7/2014
SUPERVISED BY T. KNIAZEWYCZ DATE 7/2014
CHECKED BY DATE

GRESHAM SMITH AND PARTNERS

BR-118- 42

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8/25/2015
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