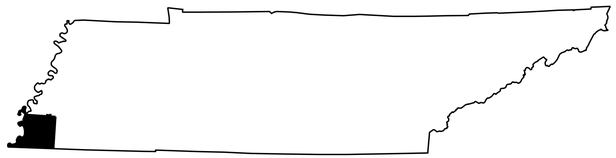
GN1124F.DGN

CONSTRUCTION NO. 79011-3266-94

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BR-STP-1(283)	2



SHELBY COUNTY

XO31

STATE ROUTE 1
OVER
LOOSAHATCHIE RIVER

CONTINUOUS STEEL
WELDED PLATE GIRDERS
(66" WEB)
WITH COMPOSITE CONCRETE
DECK SLAB

4 SPAN BRIDGE
SPAN NO. 1 = 160'-0"
SPAN NO. 2 = 200'-0"
SPAN NO. 3 = 200'-0"
SPAN NO. 4 = 160'-0"
TOTAL LENGTH = 720'-0"

44'-0" ROADWAY WITH
STD-1-1SS PARAPETS

90°00'00" SKEW

LAYOUT DRAWING
NO. U-56-105

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL
202-04.01	REMOVAL OF STRUCTURES (EXISTING BRIDGE NO. 79-SR001-30.36)	L.S.	1
204-02.01	DRY EXCAVATION (BRIDGES)	C.Y.	2,318
204-03.01	WET EXCAVATION	C.Y.	594
204-10.01	FOUNDATION PREPARATION (BENT NO. 1, STA. 1195+55.00)	L.S.	1
204-10.02	FOUNDATION PREPARATION (BENT NO. 2, STA. 1197+55.00)	L.S.	1
204-10.03	FOUNDATION PREPARATION (BENT NO. 3, STA. 1199+55.00)	L.S.	1
303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	38
602-04.01	STEEL STRUCTURES (WELDED PLATE GIRDER, 66" WEB)	L.S.	1
604-02.03	EPOXY COATED REINFORCING STEEL	LB.	353,626
604-03.01	CLASS A CONCRETE (BRIDGES)	C.Y.	854
604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	145,413
604-03.04	PAVEMENT AT BRIDGE ENDS	S.Y.	225
604-03.09	CLASS D CONCRETE (BRIDGE DECK)	C.Y.	898
604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	2,168
604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	3,484
604-11.01	EXPANSION DEVICE (STRIP SEAL, 4" MOVEMENT)	L.F.	90
606-09.01	TEST PILES (PRECAST CONCRETE, SIZE 1)	L.F.	160
606-09.02	LOADING TEST (PRECAST CONCRETE, SIZE 1)	EA.	1
606-09.03	PRECAST CONCRETE PILES (SIZE 1)	L.F.	5,115
606-12.01	PILE ANCHORAGE SYSTEM (SEISMIC)	EA.	263
620-05.01	CONCRETE PARAPET SINGLE SLOPE (STD-1-1SS)	L.F.	1,522
710-09.01	6" PERFORATED PIPE WITH VERTICAL DRAIN SYSTEM	L.F.	152
710-09.02	6" PIPE UNDERDRAIN	L.F.	52
712-12.47	BRIDGE MOUNTED INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	768
920-10.04	COLUMN ENCASEMENT	EA.	9

FOOTNOTE: SEE DRAWING NO. U-56-107.

LIST OF DRAWINGS

	DWG. NO.	LAST REV. DATE
LAYOUT OF BRIDGE	U-56-105	--------
THRU		
BILL OF STEEL	U-56-143	--------

LIST OF STANDARD DRAWINGS

	DWG. NO.	LAST REV. DATE
BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET	STD-1-1SS	05-01-14
STEEL SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE CONCRETE PARAPET AND BRIDGE DECK DRAIN DETAILS - 2007	STD-1-2SS	-------
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD-1-5	03-26-14
BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS	STD-1-6	04-28-97
BRIDGE END DRAIN WITH PAVEMENT AT BRIDGE ENDS	STD-1-7	08-24-11
BRIDGE END DRAIN 4' X 8'-7" WITH PAVEMENT AT BRIDGE ENDS	STD-1-9	05-01-95
BRIDGE MOUNTED INTERCONNECTED PORTABLE BARRIER RAIL	STD-2-1	11-01-10
VERTICAL PANEL DETAILS	STD-2-2	-------
STRIP SEAL EXPANSION JOINT	STD-3-1	11-01-10
STRIP SEAL EXPANSION JOINT	STD-3-2	11-01-10
STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD-4-1	04-08-05
STD. PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA	STD-4-2	04-08-05
STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS	STD-4-3	03-02-02
STD. PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS	STD-4-4	06-10-96
STANDARD PILE DETAILS	STD-5-1	10-25-93
STANDARD SEISMIC DETAILS	STD-6-1	11-01-10
REINF. BAR SUPPORT DETAILS FOR CONC. SLABS	STD-9-1	10-07-08
MISCELLANEOUS ABUTMENT & DRAINAGE DETAILS	STD-10-1	04-08-05

LIST OF SPECIAL PROVISIONS

	PROV. NO.	LAST REV. DATE
STEEL STRUCTURES	602	01-01-15

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

ESTIMATED
BRIDGE
QUANTITIES