BS1124F.DGN

BILL OF STEEL

CONST. NO. 79011-3266-94

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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

SUPERSTRUCTURE (EPOXY)

BAR	LOCATION	SIZE	NO. REQ'D	BENDING DIMENSIONS A	B	C	D	LENGTH
A600E	SLAB	6	1375					30'-0"
A601E	SLAB	6	55					30'-11"
A602E	SLAB	6	2458					29'-11"
A603E	SLAB	6	2458					18'-5"
A604E	SLAB	6	948					60'-0"
A605E	SLAB	6	44					33'-9"
A606E	SLAB	6	46					27'-4"
B570E	SLAB / PARAPET	5	4320	2'-8"				3'-3"
FA800E	SLAB	8	20	2'-7"	9"	2'-6"		5'-10"
LS400E	SLAB	4	152	2'-5"	1'-1"			7'-9"
N800E	SLAB	8	40	7'-8"	9"	2'-6"		14'-2"

ABUTMENT NO. 1 (EPOXY)

BAR	LOCATION	SIZE	NO. REQ'D	BENDING DIMENSIONS A	B	C	D	LENGTH
A640E	ENDWALL	6	2					30'-3"
A641E	ENDWALL	6	2					18'-5"
A644E	ENDWALL	6	92					7'-8"
B570E	WINGWALL	5	96	2'-8"				3'-3"
B640E	ENDWALL	6	2	5'-0"				5'-8"
F640E	ENDWALL	6	42	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
HP570E	WINGWALL	5	16	4¾"	3'-10"	1'-1¼"		7'-11"

ABUTMENT NO. 1 (NON-EPOXY)

BAR	LOCATION	SIZE	NO. REQ'D	BENDING DIMENSIONS A	B	C	D	LENGTH
A440	ROADWAY BRACKET	4	1					26'-11"
A441	ROADWAY BRACKET	4	1					16'-11"
A442	WINGWALL	4	18					21'-8"
A443	WINGWALL	4	42					7'-6"
A540	ABUTMENT BEAM	5	2					29'-9"
A541	ABUTMENT BEAM	5	2					19'-2"
A542	WING BEAM	5	4					25'-2"
A642	ENDWALL	6	16					30'-3"
A643	ENDWALL	6	16					18'-5"
A645	ENDWALL	6	8					4'-0"
A646	WINGWALL	6	42					7'-6"
A647	WINGWALL	6	18					21'-8"
A740	ABUTMENT BEAM	7	18					31'-6"
A741	ABUTMENT BEAM	7	18					19'-2"
A742	WING BEAM	7	20					25'-2"
B641	ENDWALL	6	16	5'-0"				5'-8"
H440	RISER	4	5	3'-1"	1'-6"			6'-1"
H441	RISER	4	4	3'-6"	1'-6"			6'-6"
H540	ENDWALL	5	42	2'-2"	6"			3'-2"
H640	ABUTMENT BEAM	6	42	1'-2"	4'-0"			9'-2"
H641	WING BEAM	6	42	1'-2"	3'-9"			8'-8"
LS540	ABUTMENT BEAM	5	45	4'-8"	2'-8"			15'-7"
LS541	WING BEAM	5	36	2'-8"	2'-8"			11'-7"

ABUTMENT NO. 2 (EPOXY)

BAR	LOCATION	SIZE	NO. REQ'D	BENDING DIMENSIONS A	B	C	D	LENGTH
A640E	ENDWALL	6	2					30'-3"
A641E	ENDWALL	6	2					18'-5"
A644E	ENDWALL	6	92					7'-8"
B570E	WINGWALL	5	96	2'-8"				3'-3"
B640E	ENDWALL	6	2	5'-0"				5'-8"
F640E	ENDWALL	6	42	1'-1"	1'-3"	1'-1"	1'-3"	4'-0"
HP570E	WINGWALL	5	16	4¾"	3'-10"	1'-1¼"		7'-11"

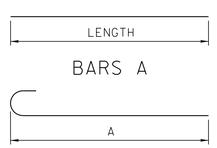
ABUTMENT NO. 2 (NON-EPOXY)

BAR	LOCATION	SIZE	NO. REQ'D	BENDING DIMENSIONS A	B	C	D	LENGTH
A440	ROADWAY BRACKET	4	1					26'-11"
A441	ROADWAY BRACKET	4	1					16'-11"
A442	WINGWALL	4	18					21'-8"
A443	WINGWALL	4	42					7'-6"
A540	ABUTMENT BEAM	5	2					29'-9"
A541	ABUTMENT BEAM	5	2					19'-2"
A542	WING BEAM	5	4					25'-2"
A642	ENDWALL	6	16					30'-3"
A643	ENDWALL	6	16					18'-5"
A645	ENDWALL	6	8					4'-0"
A646	WINGWALL	6	42					7'-6"
A647	WINGWALL	6	18					21'-8"
A740	ABUTMENT BEAM	7	18					31'-6"
A741	ABUTMENT BEAM	7	18					19'-2"
A742	WING BEAM	7	20					25'-2"
B641	ENDWALL	6	16	5'-0"				5'-8"
H440	RISER	4	5	3'-1"	1'-6"			6'-1"
H441	RISER	4	4	3'-6"	1'-6"			6'-6"
H540	ENDWALL	5	42	2'-2"	6"			3'-2"
H640	ABUTMENT BEAM	6	42	1'-2"	4'-0"			9'-2"
H641	WING BEAM	6	42	1'-2"	3'-9"			8'-8"
LS540	ABUTMENT BEAM	5	45	4'-8"	2'-8"			15'-7"
LS541	WING BEAM	5	36	2'-8"	2'-8"			11'-7"

BENT NO. 1

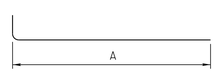
BAR	LOCATION	SIZE	NO. REQ'D	BENDING DIMENSIONS A	B	C	D	LENGTH
A550	CAP	5	8					27'-6"
A551	CAP	5	8					19'-4"
A1150	CAP	11	16					35'-11"
A1151	CAP	11	16					19'-1"
A1152	CAP	11	16					36'-2"
A1153	CAP	11	16					19'-4"
B950	FOOTING	9	60	6'-4"				7'-7"
B1150	CAP	11	8	36'-2"				37'-9"
B1151	CAP	11	8	19'-4"				20'-11"
C950	CAP/COLUMN/FOOTING	9	84	16'-10"				18'-5"
D950	FOOTING	9	270	16'-6"				19'-0"
H450	RISER	4	5	3'-6"	1'-8"			6'-10"
H451	RISER	4	5	3'-8"	1'-8"			7'-0"
H650	CAP	6	9	3'-8"	4'-2"			12'-0"
LS650	CAP	6	144	2'-9"	4'-2"			15'-2"
T550	COLUMN	5	243	3'-2"				10'-11"
T650	COLLAR	6	3	6'-8"				22'-4"

NOTE: BAR NUMBERS ARE REPEATED ON BILL OF STEEL FOR EACH SUBSTRUCTURE. THE SUPPLIER SHALL SHIP THE BARS TO THE JOB SITE WITH THE SUBSTRUCTURE DESIGNATION INCLUDED AS PART OF THE LABEL.



BARS A

BARS B



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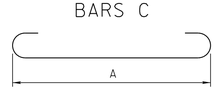

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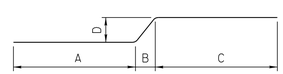
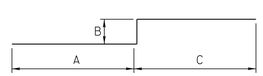
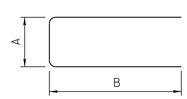


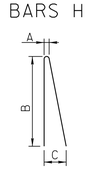
BARS F



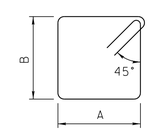
BARS FA



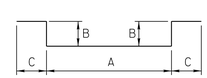
BARS H



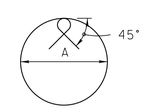
BARS HP



BARS LS



BARS N



BARS T

REINFORCING STEEL CODE

TYPE	SIZE	SERIES
A	5	06

NOTE: DIMENSIONS SHOWN ON THIS SHEET ARE OUTSIDE TO OUTSIDE OF BAR. STANDARD C.R.S.I. HOOK DETAILS SHALL APPLY, EXCEPT AS NOTED.

NOTE: THE SUFFIX E FOR BARS SO MARKED DENOTES EPOXY COATED REINFORCEMENT.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BILL OF STEEL
STATE ROUTE 1
OVER
LOOSAHATCHIE RIVER
STATION 1197+55.00
SHELBY COUNTY
2015

CABRINA M. DIETERS — STATE OF TENNESSEE

DESIGNED BY ADAM PRICE DATE 06-14
DRAWN BY CHRIS STAPLER DATE 03-15
SUPERVISED BY C.M.D./J.W.F. DATE 03-15
CHECKED BY ADAM PRICE DATE 04-15

CORRECT ENGINEER OF STRUCTURES

U-56-142