PHASE IV (1) (3)

ABUTMENT NO. 2 - REGULAR

BAR	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH
A404	ROADWAY BRACKET	4	1					40'-0"
A405	ROADWAY BRACKET	4	1					40'-1"
A444	WINGWALL	4	16					2'-10"
A445	WINGWALL	4	4					17'-6"
A446	WINGWALL	4	17					3'-2"
A447	WINGWALL	4	4					17'-6"
A550	ABUTMENT BEAM	5	6					43'-1"
A551	WINGWALL FOOTING	5	6					19'-3"
A548	ABUTMENT BEAM	5	6					43'-2"
A549	WINGWALL FOOTING	5	6					20'-4"
A609	ENDWALL	6	6					42'-2"
A610	ENDWALL/ABUTMENT BEAM	6	4					3'-7"
A611	ENDWALL	6	6					42'-2"
A612	ENDWALL/ABUTMENT BEAM	6	4					3'-7"
A748	ABUTMENT BEAM	7	10					43'-2"
A749	WINGWALL FOOTING	7	10					20'-4"
A750	ABUTMENT BEAM	7	10					43'-1"
A751	WINGWALL FOOTING	7	10					19'-3"
H540	ENDWALL/RDWY. BRACKET	5	79	2'-2"	5"			3'-0"
H640	ENDWALL/ABUTMENT BEAM	6	115	1'-2"	3'-7"	X		8'-4"
HA650	ENDWALL	6	40	3'-1"	2'-0"	1'-4"		6'-5"
L555	ABUTMENT BEAM	5	14	2'-10"	3'-5"	1'-0"		13'-6"
SERIES								
L556	ABUTMENT BEAM	5	1	2'-10"		1'-0"		109'-6"
				DIM "B" VARIES FROM 3'-6" TO 3'-7" IN INC. OF 1/8" (8 BARS)				
SERIES								
L557	ABUTMENT BEAM	5	1	2'-10"		1'-0"		110'-10"
				DIM "B" VARIES FROM 3'-7" TO 3'-8" IN INC. OF 1/8" (8 BARS)				
SERIES								
L558	ABUTMENT BEAM	5	1	2'-10"		1'-0"		129'-8"
				DIM "B" VARIES FROM 3'-10" TO 3'-11" IN INC. OF 1/8" (9 BARS)				
L559	ABUTMENT BEAM	5	5	2'-10"	3'-9"	1'-0"		14'-2"
L560	ABUTMENT BEAM	5	17	2'-8"	3'-5"	1'-0"		13'-2"
SERIES								
L561	ABUTMENT BEAM	5	1	2'-10"		1'-0"		93'-2"
				DIM "B" VARIES FROM 3'-3" TO 3'-5" IN INC. OF 1/8" (7 BARS)				
SERIES								
L562	ABUTMENT BEAM	5	1	2'-10"		1'-0"		104'-1"
				DIM "B" VARIES FROM 3'-1" TO 3'-3" IN INC. OF 1/4" (8 BARS)				
SERIES								
L563	ABUTMENT BEAM	5	1	2'-10"		1'-0"		101'-5"
				DIM "B" VARIES FROM 2'-11" TO 3'-0" IN INC. OF 1/4" (8 BARS)				
SERIES								
L564	ABUTMENT BEAM	5	1	2'-10"		1'-0"		129'-8"
				DIM "B" VARIES FROM 3'-10" TO 3'-11" IN INC. OF 1/8" (9 BARS)				
L565	ABUTMENT BEAM	5	12	2'-10"	2'-8"	1'-0"		12'-0"
L566	ABUTMENT BEAM	5	17	2'-8"	2'-8"	1'-0"		11'-8"

PHASE IV (1) (2) (3)

ABUTMENT NO. 2 - EPOXY

BAR	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH
A450E	COUPLER BAR	4	2					2'-6"
A550E	COUPLER BAR	5	12					4'-0"
A614E	ENDWALL	6	15					2'-10"
A618E	ENDWALL	6	82					3'-1"
A619E	ENDWALL	6	2					42'-2"
A620E	ENDWALL	6	4					3'-1"
A621E	ENDWALL	6	4					17'-6"
A622E	COUPLER BAR	6	41					3'-0"
SERIES								
A623E	ENDWALL	6	1					17'-8"
				DIM "A" VARIES FROM 2'-11" TO 3'-0" IN INC. OF 1/4" (6 BARS)				
A624E	ENDWALL	6	4					3'-2"
A625E	ENDWALL	6	2					42'-2"
A626E	ENDWALL	6	15					3'-2"
A627E	WINGWALL	6	5					17'-8"
A650E	COUPLER BAR	6	16					5'-8"
A672E	WINGWALL	6	16					3'-1"
A673E	WINGWALL	6	17					2'-10"
A750E	COUPLER BAR	7	20					6'-6"
B570E	WINGWALL/BRIDGERAIL	5	74	2'-8"				3'-3"
B640E	ENDWALL	6	8	5'-8"				6'-4"
F640E	ENDWALL/P.A.B.E.	6	86	1'-1"	1'-3"	1'-1"	1'-3"	3'-11"
HP570E	WINGWALL/BRIDGERAIL	5	16	3'-11"	11"			8'-5"
R640E	SLAB/ENDWALL	6	82	2'-0"	2'-0"			4'-0"

PIER NO. 1 - WESTBOUND

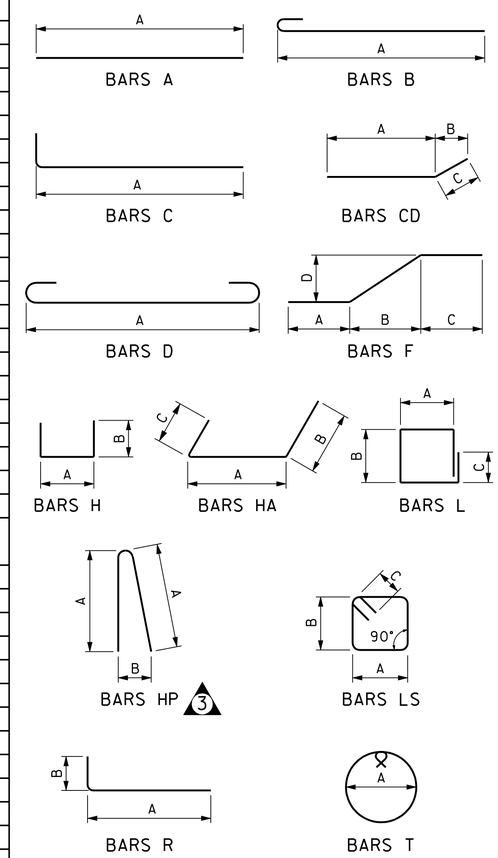
BAR	LOCATION	SIZE	NO. REQ'D.	A	B	C	D	LENGTH
A760	PIER CAP	7	16					25'-0"
A761	PIER CAP	7	2					20'-3"
A762	PIER CAP	7	2					23'-1"
A763	PIER CAP	7	2					12'-3"
A764	PIER CAP	7	2					13'-11"
A765	PIER CAP	7	2					4'-3"
A766	PIER CAP	7	2					4'-10"
A770	COUPLER BAR	7	10					6'-6"
A1052	PIER CAP	10	12					5'-6"
A1053	COLUMN	10	54					51'-10"
A1060	PIER CAP	10	60					26'-7"
A1070	COUPLER BAR	10	36					9'-1"
B1050	PIER CAP	10	12	26'-6"				27'-11"
C950	COLUMN/FOOTING	9	54	10'-8"				12'-3"
CD1060	PIER CAP	10	2	18'-8"	6'-11"	7'-7"		26'-3"
CD1061	PIER CAP	10	2	18'-8"	6'-11"	7'-6"		26'-2"
CD1062	PIER CAP	10	2	18'-8"	6'-9"	7'-4"		26'-0"
CD1063	PIER CAP	10	2	18'-8"	6'-6"	7'-1"		25'-9"
CD1064	PIER CAP	10	2	18'-8"	6'-1"	6'-8"		25'-4"
CD1065	PIER CAP	10	2	18'-8"	5'-4"	5'-10"		24'-6"
CD1066	PIER CAP	10	12	18'-8"	9'-7"	10'-2"		28'-10"
D950	FOOTING (TOP AND BOTTOM)	9	64	11'-6"				14'-0"

CONST. NO. BR-I-40-3(155)

PROJECT NO.	YEAR	SHEET NO.
11003-3134-94	2014	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	02-05-13	DWT	REVISED QUANTITIES
2	04-26-13	DWT	ADDED BAR F640E, REVISED BAR A1053,
			REVISED BAR B570E QUANTITY
3	11-06-13	DWT	REVISED QUANTITIES AND ADDED
			BAR HP570E



04/04/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL
(PHASE IV)

BRIDGE NO. 11-10040-05.63 (EB & WB)
INTERSTATE 40 OVER HARPETH RIVER
CHEATHAM COUNTY
2014

DESIGNED BY D. JAMES/D. THOMPSON DATE
DRAWN BY ANGELA MOORE DATE
SUPERVISED BY D. JAMES/D. THOMPSON DATE
CHECKED BY JAMIE GILLESPIE DATE

JAMES & ASSOCIATES, INC.

BR-113-62A