PHASE II (1) (2)

ABUTMENT NO. 2 - REGULAR

BAR	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH
SERIES								
L553	ABUTMENT BEAM	5	1	2'-10"		1'-0"		123'-1"
				DIM "B" VARIES FROM 3'-5" TO 3'-7" IN INC. OF 1/8" (9 BARS)				
L554	ABUTMENT BEAM	5	3	2'-10"	3'-5"	1'-0"		13'-6"

ABUTMENT NO. 2 - EPOXY

BAR	LOCATION	SIZE	NO. REQ'D.	A	B	C	D	LENGTH
A450E	COUPLER BAR	4	2					2'-6"
A550E	COUPLER BAR	5	12					4'-0"
A614E	ENDWALL	6	33					3'-2"
A615E	ENDWALL	6	96					3'-1"
A616E	ENDWALL	6	86					3'-0"
A617E	ENDWALL	6	2					35'-3"
A618E	ENDWALL	6	2					60'-0"
A650E	COUPLER BAR	6	16					5'-8"
A750E	COUPLER BAR	7	20					6'-6"
F640E	ENDWALL/P.A.B.E.	6	90	1'-1"	1'-3"	1'-1"	1'-3"	3'-11"
R640E	ENDWALL/SLAB	6	91	2'-0"	2'-0"			4'-0"

PIER NO. 1 - REGULAR

BAR	LOCATION	SIZE	NO. REQ'D.	A	B	C	D	LENGTH
A750	PIER CAP	7	16					47'-2"
A751	PIER CAP	7	4					29'-8"
A752	PIER CAP	7	2					27'-9"
A753	PIER CAP	7	4					17'-11"
A754	PIER CAP	7	2					16'-11"
A755	PIER CAP	7	4					6'-2"
A756	PIER CAP	7	2					5'-11"
A770	COUPLER BAR	7	20					6'-6"
A1050	PIER CAP	10	72					48'-5"
A1051	COLUMN	10	54					51'-10"
A1052	COLUMN	10	27					51'-2"
A1070	COUPLER BAR	10	72					9'-1"
C950	COLUMN / FOOTING	9	81	10'-8"				12'-3"
CD1050	PIER CAP	10	24	19'-10"	15'-4"	15'-10"		35'-8'
CD1051	PIER CAP	10	12	19'-10"	19'-1"	19'-10"		39'-8"
D950	FOOTING (TOP AND BOTTOM)	9	96	11'-6"				14'-0"
SERIES								
L650	PIER CAP	6	4	3'-7"		3'-7"		709'-9"
				DIM "B" VARIES FROM 4'-9" TO 6'-8" IN INC. OF 3/4" (32 BARS)				
SERIES								
L651	PIER CAP	6	8	3'-7"		3'-7"		642'-10"
				DIM "B" VARIES FROM 4'-9" TO 6'-8" IN INC. OF 7/8" (29 BARS)				
T550	COLUMN	5	156	3'-8"				12'-6"

PIER NO. 2 - REGULAR

BAR	LOCATION	SIZE	NO. REQ'D.	A	B	C	D	LENGTH
A750	PIER CAP	7	16					47'-2"
A751	PIER CAP	7	4					29'-8"
A752	PIER CAP	7	2					27'-9"
A753	PIER CAP	7	4					17'-11"
A754	PIER CAP	7	2					16'-11"
A755	PIER CAP	7	4					6'-2"

PHASE II (1) (2)

PIER NO. 2 - REGULAR

BAR	LOCATION	SIZE	NO. REQ'D.	A	B	C	D	LENGTH
A756	PIER CAP	7	2					5'-11"
A770	COUPLER BAR	7	20					6'-6"
A1050	PIER CAP	10	72					48'-5"
A1051	COLUMN	10	54					50'-0"
A1052	COLUMN	10	27					49'-4"
A1070	COUPLER BAR	10	72					9'-1"
C950	COLUMN / FOOTING	9	81	10'-8"				12'-3"
CD1050	PIER CAP	10	24	19'-10"	15'-4"	19'-10"		35'-8"
CD1051	PIER CAP	10	12	19'-10"	19'-1"	19'-10"		39'-8"
D950	FOOTING (TOP AND BOTTOM)	9	96	11'-6"				14'-0"
SERIES								
L650	PIER CAP	6	4	3'-7"		3'-7"		709'-9"
				DIM "B" VARIES FROM 4'-9" TO 6'-8" IN INC. OF 3/4" (32 BARS)				
SERIES								
L651	PIER CAP	6	8	3'-7"		3'-7"		642'-10"
				DIM "B" VARIES FROM 4'-9" TO 6'-8" IN INC. OF 7/8" (29 BARS)				
T550	COLUMN	5	150	3'-8"				12'-6"

BENT NO. 1 - REGULAR

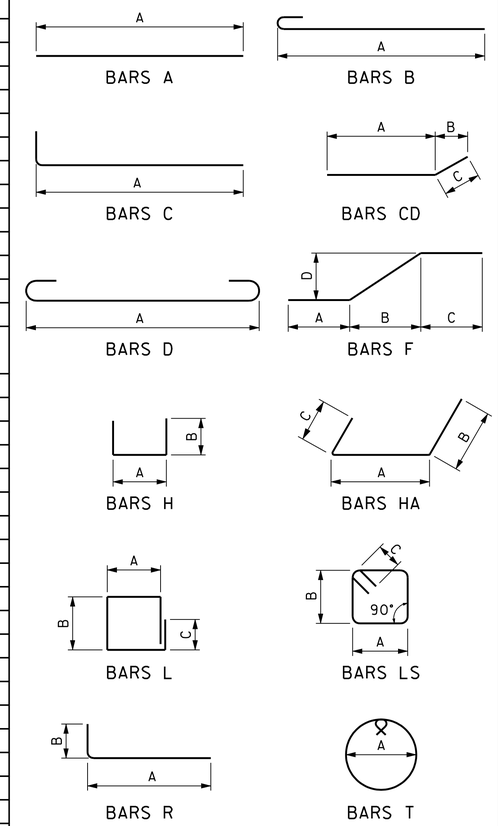
BAR	LOCATION	SIZE	NO. REQ'D.	A	B	C	D	LENGTH
A750	BENT CAP	7	16					47'-2"
A751	BENT CAP	7	4					29'-8"
A752	BENT CAP	7	2					28'-2"
A753	BENT CAP	7	4					17'-11"
A754	BENT CAP	7	2					17'-1"
A755	BENT CAP	7	4					6'-3"
A756	BENT CAP	7	2					6'-1"
A770	COUPLER BAR	7	20					6'-6"
A1050	BENT CAP	10	72					48'-6"
A1051	COLUMN	10	54					48'-2"
A1052	COLUMN	10	27					47'-6"
A1070	COUPLER BAR	10	72					9'-1"
C950	COLUMN / FOOTING	9	81	10'-8"				12'-3"
CD1050	BENT CAP	10	24	19'-10"	15'-4"	15'-10"		35'-8"
CD1051	BENT CAP	10	12	19'-10"	19'-1"	19'-10"		39'-8"
D950	FOOTING (TOP AND BOTTOM)	9	96	11'-6"				14'-0"
SERIES								
L650	BENT CAP	6	4	4'-5"		3'-7"		760'-3"
				DIM "B" VARIES FROM 4'-9" TO 6'-8" IN INC. OF 3/4" (32 BARS)				
SERIES								
L651	BENT CAP	6	8	4'-5"		3'-7"		691'-9"
				DIM "B" VARIES FROM 4'-9" TO 6'-8" IN INC. OF 7/8" (29 BARS)				
T550	COLUMN	5	146	3'-8"				12'-6"

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 BARS A1051, A1052, T550, SERIES L650 AND SERIES L651



04/04/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BILL OF STEEL
(PHASE II)

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-113-60