PHASE IV 1 2 3

BENT NO. 1 - EASTBOUND

BAR	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH
SERIES								
L652	BENT CAP	6	2	4'-5"		3'-7"		452'-11"
				DIM "B" VARIES FROM 4'-9" TO 6'-8" IN INC. OF 1¼" (19 BARS)				
SERIES								
L653	BENT CAP	6	4	4'-5"		3'-7"		593'-4"
				DIM "B" VARIES FROM 4'-9" TO 6'-7" IN INC. OF ⅞" (25 BARS)				
SERIES								
L654	BENT CAP	6	2	4'-5"		3'-7"		499'-10"
				DIM "B" VARIES FROM 4'-9" TO 6'-7" IN INC. OF 1⅛" (21 BARS)				
T550	COLUMN	5	93	3'-8"				12'-6"

BENT NO. 2 - EASTBOUND

BAR	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH
A760	BENT CAP	7	16					25'-0"
A761	BENT CAP	7	2					20'-3"
A762	BENT CAP	7	2					23'-1"
A763	BENT CAP	7	2					12'-3"
A764	BENT CAP	7	2					13'-11"
A765	BENT CAP	7	2					4'-3"
A766	BENT CAP	7	2					4'-10"
A770	COUPLER BAR (BENT CAP)	7	10					6'-6"
A1056	COLUMN	10	27					30'-10"
A1057	COLUMN	10	27					30'-2"
A1058	BENT CAP	10	12					5'-6"
A1060	BENT CAP	10	60					26'-7"
A1070	COUPLER BAR (BENT CAP)	10	36					9'-1"
B1050	BENT CAP	10	12	26'-6"				27'-11"
C950	COLUMN/FOOTING	9	54	10'-11"				12'-6"
CD1060	BENT CAP	10	2	18'-8"	6'-11"	7'-7"		26'-3"
CD1061	BENT CAP	10	2	18'-8"	6'-11"	7'-6"		26'-2"
CD1062	BENT CAP	10	2	18'-8"	6'-9"	7'-4"		26'-0"
CD1063	BENT CAP	10	2	18'-8"	6'-6"	7'-1"		25'-9"
CD1064	BENT CAP	10	2	18'-8"	6'-1"	6'-8"		25'-4"
CD1065	BENT CAP	10	2	18'-8"	5'-4"	5'-10"		24'-6"
CD1066	BENT CAP	10	12	18'-8"	9'-7"	10'-2"		28'-10"
D950	FOOTING (TOP AND BOTTOM)	9	96	11'-6"				14'-0"

PHASE IV 1 2 3

BENT NO. 2 - EASTBOUND

BAR	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH
SERIES								
L652	BENT CAP	6	2	3'-7"		3'-7"		332'-3"
				DIM "B" VARIES FROM 4'-10" TO 6'-8" IN INC. OF 1⅝" (15 BARS)				
SERIES								
L653	BENT CAP	6	4	3'-7"		3'-7"		551'-3"
				DIM "B" VARIES FROM 4'-9" TO 6'-7" IN INC. OF 15/16" (25 BARS)				
SERIES								
L654	BENT CAP	6	2	3'-7"		3'-7"		463'-11"
				DIM "B" VARIES FROM 4'-9" TO 6'-8" IN INC. OF 1 3/16" (21 BARS)				
T550	COLUMN	5	62	3'-8"				12'-6"

BENT NO. 3 - EASTBOUND

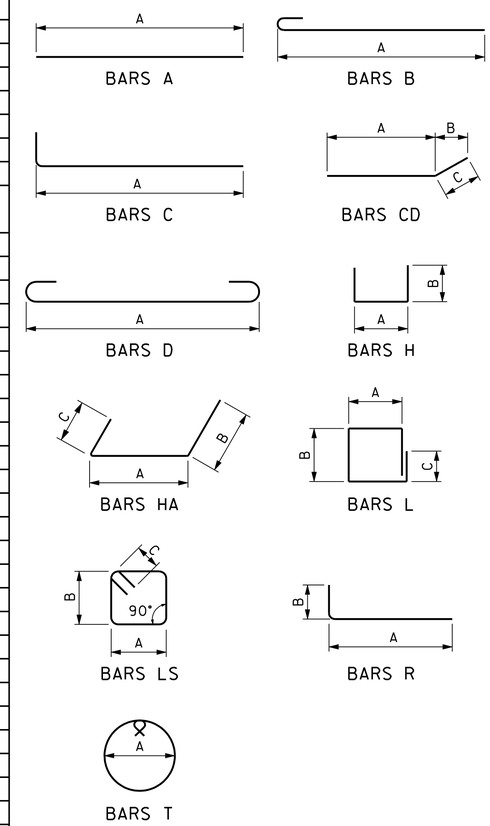
BAR	LOCATION	SIZE	NO. REQ'D.	BENDING DIMENSIONS A	B	C	D	LENGTH
A760	BENT CAP	7	16					25'-0"
A761	BENT CAP	7	2					20'-3"
A762	BENT CAP	7	2					23'-1"
A763	BENT CAP	7	2					12'-3"
A764	BENT CAP	7	2					13'-11"
A765	BENT CAP	7	2					4'-3"
A766	BENT CAP	7	2					4'-10"
A770	COUPLER BAR	7	10					6'-6"
A1056	COLUMN	10	27					28'-9"
A1057	COLUMN	10	27					28'-1"
A1058	BENT CAP	10	12					5'-6"
A1060	BENT CAP	10	60					26'-7"
A1070	COUPLER BAR	10	36					9'-1"
B1050	BENT CAP	10	12	26'-6"				27'-11"
C950	COLUMN/FOOTING	9	54	10'-11"				12'-6"
CD1060	BENT CAP	10	2	18'-8"	6'-11"	7'-7"		26'-3"
CD1061	BENT CAP	10	2	18'-8"	6'-11"	7'-6"		26'-2"
CD1062	BENT CAP	10	2	18'-8"	6'-9"	7'-4"		26'-0"
CD1063	BENT CAP	10	2	18'-8"	6'-6"	7'-1"		25'-9"
CD1064	BENT CAP	10	2	18'-8"	6'-1"	6'-8"		25'-4"
CD1065	BENT CAP	10	2	18'-8"	5'-4"	5'-10"		24'-6"
CD1066	BENT CAP	10	12	18'-8"	9'-7"	10'-2"		28'-10"
D950	FOOTING (TOP AND BOTTOM)	9	96	11'-6"				14'-0"
SERIES								
L652	BENT CAP	6	2	3'-7"		3'-7"		332'-3"
				DIM "B" VARIES FROM 4'-10" TO 6'-8" IN INC. OF 1⅝" (15 BARS)				

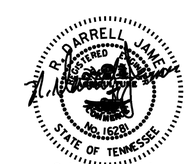
CONST. NO. BR-I-40-3(155)

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	REVISED BARS A1056, A1057, T550, SERIES L652, SERIES L653 AND SERIES L654
3	11-06-13	DWT	REVISED QUANTITIES





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-113-62F