

REINFORCING BAR LIST			E-E ABUT. BRG			252'-0			262'-0									
			BEAM SERIES			BTD125			BTD130									
			COLUMN HEIGHT			19'-0			22'-0			25'-0						
NON-COATED REINFORCING	BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
	8a1	CAP, LONGITUDINAL, TOP		10	44'-6	1,188	10	44'-6	1,188	10	44'-6	1,188	10	44'-6	1,188	10	44'-6	1,188
	5a2	CAP, LONGITUDINAL, SIDES		10	VARIES	410	10	VARIES	410	10	VARIES	410	10	VARIES	410	10	VARIES	410
	5a3	CAP, CANTILEVER - END		14	5'-9	84	14	5'-9	84	14	5'-9	84	14	5'-9	84	14	5'-9	84
	9b1	CAP, LONGITUDINAL, BOT.		8	37'-2	1,011	8	37'-2	1,011	8	37'-2	1,011	8	37'-2	1,011	8	37'-2	1,011
	7b2	CAP, LONGITUDINAL, BOT., ENDS		8	9'-11	162	8	9'-11	162	8	9'-11	162	8	9'-11	162	8	9'-11	162
	5c1	CAP, STIRRUP		68	14'-6	1,028	68	14'-6	1,028	68	14'-6	1,028	68	14'-6	1,028	68	14'-6	1,028
	5c2	CAP, STIRRUP, CANTILEVER, ENDS		16	VARIES	144	16	VARIES	144	16	VARIES	144	16	VARIES	144	16	VARIES	144
	9d1	COLUMN, VERTICAL		42	21'-9	3,106	42	24'-9	3,534	--	--	--	42	21'-9	3,106	42	24'-9	3,534
	10d1	COLUMN, VERTICAL		--	--	--	--	--	--	54	29'-4	6,816	--	--	--	54	29'-4	6,816
	9d2	FOOTING TO COLUMN DOWEL		42	9'-2	1,309	42	9'-2	1,309	--	--	--	42	9'-2	1,309	--	--	--
	10d2	FOOTING TO COLUMN DOWEL		--	--	--	--	--	--	54	12'-0	2,788	--	--	--	54	12'-0	2,788
	5f1	FOOTING, LONGITUDINAL, TOP		27	11'-6	324	27	11'-6	324	27	11'-6	324	27	11'-6	324	27	11'-6	324
	5f2	FOOTING, TRANSVERSE, TOP		36	8'-6	319	36	8'-6	319	36	8'-6	319	36	8'-6	319	36	8'-6	319
	8g1	FOOTING, LONGITUDINAL, BOTTOM		48	11'-6	1,474	48	11'-6	1,474	48	11'-6	1,474	48	11'-6	1,474	48	11'-6	1,474
	8g2	FOOTING, TRANSVERSE, BOTTOM		36	8'-6	817	36	8'-6	817	36	8'-6	817	36	8'-6	817	36	8'-6	817
	5m1	STEP, LONGITUDINAL		16	3'-2	53	16	3'-2	53	16	3'-2	53	16	3'-2	53	16	3'-2	53
	5n1	STEP, TRANSVERSE		16	6'-6	108	16	6'-6	108	16	6'-6	108	16	6'-6	108	16	6'-6	108
	#4 COLUMN SPIRAL			3	203'-9	408	3	232'-1	465	3	260'-4	522	3	203'-9	408	3	260'-4	522
	SPIRAL SPACERS, L 1/4 x 1/4 x 1/4 x 0.75			12	19'-0	171	12	22'-0	198	12	25'-0	225	12	19'-0	171	12	22'-0	198
	REINFORCING STEEL - NON-EPOXY COATED (LB)					12,116		12,628		17,473		12,116		12,628		17,473		17,473

STRUCTURAL CONCRETE QUANTITIES (CU. YDS.)	CAP	31.6	31.6	31.6	31.6	31.6	31.6
	COLUMNS	20.3	23.5	26.7	20.3	23.5	26.7
	FOOTINGS	48.0	48.0	48.0	48.0	48.0	48.0
	TOTAL	99.9	103.1	106.3	99.9	103.1	106.3
NO. OF PILES, DRIVE STEEL BEARING, HP 10x57 ①		27	27	27	27	27	27
NO. OF PILES, FURNISH STEEL BEARING, HP 10x57 ①		27	27	27	27	27	27
DESIGN BEARING (TONS)		50	50	50	50	50	50

① THIS QUANTITY REPRESENTS THE NUMBER OF PILES. PILE LENGTH SHALL BE DETERMINED BASED ON SOIL INFORMATION AND TO BE INCLUDED ON THE "ESTIMATED PROJECT QUANTITIES" SHEET.

FOOTING PLAN FOR 125' & 130' SPANS
(ONLY BOTTOM REINFORCING SHOWN)

PIER NOTES:

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.

THE #2 FOOTING TO COLUMN DOWELS ARE TO BE IN PLACE BEFORE FOOTING CONCRETE IS PLACED.

THE SPIRAL REINFORCING MAY BE SPLICED BY LAPPING 2'-2. THE LENGTH OF THE SPIRAL SHOWN DOES NOT INCLUDE THE LAPPED LENGTH OF THE SPLICES. THE COST OF THE LAPS AT SPLICES IS TO BE INCLUDED IN THE PRICE BID FOR OTHER REINFORCEMENT.

SPIRAL REINFORCING IS TO BE NO. 4 BAR WITH 3'-0 OUTSIDE DIAMETER, 1'-0 PITCH WITH 4 EQUALLY SPACED L 1/4 x 1/4 x 1/4 SPACERS PUNCHED TO HOLD SPIRALS. SPIRALS ARE TO HAVE 1/2 EXTRA TURNS AT TOP AND BOTTOM OF COLUMNS.

CLASS 20 EXCAVATION SHALL BE CALCULATED AND SHALL BE INCLUDED ON THE "ESTIMATED PROJECT QUANTITIES" SHEET.

PILE DIMENSIONS SHOWN ARE AT THE BOTTOM OF THE FOOTING. BATTER PILES 1:4 IN DIRECTION SHOWN.

SEE BT40-ASI-04 FOR RUSTICATION DETAILS.

VARIABLE BARS			
BAR	SETS	DIM. "A"	TOTAL LENGTH
5a2	1 SET OF 2	--	37'-4
5a2	1 SET OF 2	--	37'-10
5a2	1 SET OF 2	--	38'-8
5a2	1 SET OF 2	--	40'-0
5a2	1 SET OF 2	--	42'-6
5c2	1 SET OF 4	0'-11	7'-2
5c2	1 SET OF 4	1'-3	7'-10
5c2	1 SET OF 4	1'-9	8'-10
5c2	1 SET OF 4	2'-8	10'-8

BENT BAR DETAILS

NOTE: ALL DIMENSIONS ARE OUT TO OUT UNLESS OTHERWISE NOTED. D= PIN DIAMETER.

ALTERNATE COLUMN TIE

4 BAR
(ROTATE LAP 90° EVERY LAYER WHEN PLACING BAR)

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

STANDARD DESIGN - 40' ROADWAY, 2 SPAN BRIDGES

PRETENSIONED PRESTRESSED BULB TEE CONCRETE BEAM BRIDGES

125'-0, 130'-0, SPANS

PIER FOOTING & PIER BAR LISTS
ALL SKEWS

BT40-PR6-04