



SPAN	MAXIMUM FACTORED PILE LOAD
120'	77.4 TON
125'	79.3 TON
130'	81.2 TON
135'	83.1 TON
140'	85.0 TON
145'	86.8 TON

SUMMARY OF QUANTITIES - ONE ABUTMENT (3)		
ITEM	UNIT	TOTAL
SUBSTRUCTURE EXCAVATION, COMMON	CY	90.00
GRANULAR BACKFILL	CY	85.00
CLASS A CONCRETE	CY	34.90
REINFORCING STEEL	LB	4,960.00
PILES, FURNISHED (HP 12X53)	LF	-
PILES, DRIVEN (HP 12X53)	LF	-
6" PERFORATED PIPE UNDERDRAIN	LF	36.00
6" NON-PERFORATED PIPE UNDERDRAIN	LF	-

(1) DIMENSIONS ARE FROM TOP OF BRIDGE SEAT AT FRONT FACE OF BACKWALL.
 (2) ALL WT WING REINFORCING STEEL TIED TO THE ABUTMENT BRIDGE SEAT, BACKWALL AND CURTAIN WALL REINFORCING STEEL MUST BE IN PLACE PRIOR TO POURING ABUTMENT CONCRETE. FOR ADDITIONAL INFORMATION SEE WING DETAILS.

PEDESTAL DIMENSIONS		
BEAM TYPE	P1	P2
TYPE BT-72	2 1/2"	4 1 1/16"
TYPE J	2"	4 3/16"

APPROVED BY BRIDGE ENGINEER *Robert J. Duch* DATE 9-9-2011
 OKLAHOMA DEPARTMENT OF TRANSPORTATION
 COUNTY BRIDGE STANDARD (ENGLISH)
ABUTMENT DETAILS
 TYPE BT-72 AND TYPE J P.C. BEAMS
 (SHEET NO. 1 OF 2)
 32' CLEAR ROADWAY - CONVENTIONAL - SKEWED 30°
 2009 SPECIFICATIONS CB32-C-SK30-ABUT-PC5-1 Q1E
 CB-576E