



SPAN	BEAM	"A"	"B"
		FT	FT
3	1	0.122	0.173
3	2	0.142	0.200
3	3	0.157	0.222
3	4	0.161	0.227
3	5	0.148	0.209
4	1	0.102	0.144
4	2	0.113	0.159
4	3	0.113	0.159
4	4	0.114	0.160
4	5	0.112	0.157
4	6	0.092	0.129

TABLE OF SECTION DEPTHS				
SPAN	BEAMS	"X" @ CL BRG	"Y" @ CL BRG	"Z" @ CL SPAN
3	1	11 3/4"	5'-5 3/4"	9"
3	2	11 3/4"	5'-5 3/4"	9 1/4"
3	3-5	11 3/4"	5'-5 3/4"	8 3/4"
4	1	11 1/4"	5'-5 1/4"	8 3/4"
4	2	11 1/4"	5'-5 1/4"	9 3/4"
4	3	11 1/4"	5'-5 1/4"	9 1/2"
4	4-6	11 1/4"	5'-5 1/4"	9 1/4"

\* HAUNCH REINFORCING REQUIRED IN ALL AREAS WHERE HAUNCH EXCEEDS 3". SEE IBMS FOR "HAUNCH REINFORCING DETAIL". SEE TABLE ON SHEET 1 OF 2 FOR NUMBER OF U BARS REQUIRED.

**DEAD LOAD DEFLECTION DIAGRAM**

CALCULATED DEFLECTIONS SHOWN ARE DUE TO THE CONCRETE SLAB ONLY (EC = 5000 KSI). ADJUST VALUES AS REQUIRED IF OPTIONAL SLAB FORMING IS USED. THESE VALUES MAY REQUIRE FIELD VERIFICATION.

**RECORD DRAWING**

This drawing is a compilation of the original sealed engineering drawing and modifications by addenda, change orders and information furnished by the contractor. Information shown that was provided by the contractor and others not associated with the design engineer cannot be verified for accuracy or completeness. Original sealed drawing is on file at the office of AECOM USA Group, Inc., TBPE REG. NO. F-3082

ORIGINAL DRAWING SEALED & SIGNED BY  
Wally R. Burns, P.E.  
TX NO. 44162

**HL93 LOADING**

NO.	REVISION	BY	DATE

**City of Rockwall, Texas**

205 BYPASS  
PHASE 4

**NORTHBOUND 205 BYPASS BRIDGE OVER PHELPS CK  
214.19' PRESTR CONCRETE BEAM UNIT  
(SPANS 3 & 4)** 2 OF 2

**TCB AECOM**  
TCB INC. WWW.TCB.AECOM.COM  
17300 DALLAS PARKWAY, SUITE 1010  
DALLAS, TEXAS 75248

Unit	PW-DAL-FW	Scale	NOT TO SCALE	Date	11/23/2009
Designed	SDH	Checked	TCB	Project No.	60004153
Drawn	SDH	Approved	TCB	Sheet	104 of 146

P:\328\60004153-205bypass\cadd\sheet\phase 4-120-00 to 141+00\record drawing 10\_7\_09\104\_205BP-BR-NB-SLO2b.dgn 11/23/2009