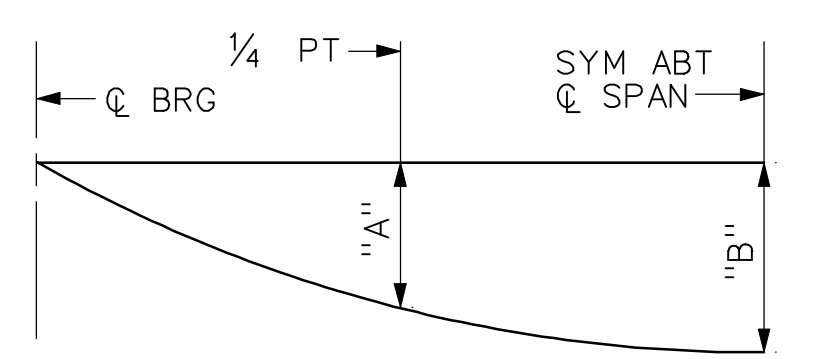


DETAIL C
TYPICAL AT EACH PEDESTAL
NOT TO SCALE

SPAN 3 MAX	3.284'	5 EQ SPA	2.694'
SPAN 3 MIN	2.996'		2.204'
SPAN 4 MAX	3.823'	5 EQ SPA	2.669'
SPAN 4 MIN	2.505'		1.636'



SPAN	BEAM	"A" FT	"B" FT
3	1	0.070	0.099
3	2	0.083	0.117
3	3	0.094	0.133
3	4	0.094	0.133
3	5	0.089	0.125
4	1	0.127	0.179
4	2	0.138	0.195
4	3	0.142	0.200
4	4	0.129	0.181
4	5	0.107	0.150

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.

TABLE OF SECTION DEPTHS				
SPAN	BEAMS	"X" @ CL BRG	"Y" @ CL BRG	"Z" @ CL SPAN
3	1	10 1/4"	5'-4 1/4"	8 3/4"
3	2	10 1/4"	5'-4 1/4"	9 "
3	3-5	10 1/4"	5'-4 1/4"	8 3/4"
4	1	11 1/4"	5'-5 1/4"	8 3/4"
4	2-4	11 1/4"	5'-5 1/4"	9 1/2"
4	5	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.

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
SOUTHBOUND 205 BYPASS BRIDGE OVER PHELPS CK
202.32' 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
Designed	SDH	Checked	TCB
Drawn	SDH	Approved	TCB
Date	11/23/2009	Project No.	60004153
Sheet	120	of	146

P:\328\60004153-205bypass\cadd\sheet\phase 4-120-00 to 141+00\record drawing 10_7_09\120_205BP-BR-5B-SL02b.dgn
11/23/2009