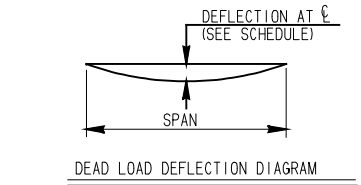


SLAB REINFORCING SCHEDULE																				
SKEW	SLAB WIDTH (m)	REINFORCING														QUANTITIES				
		E1				E2 ①				E3			E4			L1			REINF. STEEL (kg / m)	CONCRETE (m ³ / m)
		SIZE	LENGTH	SPA (mm)	NO.	SIZE	LENGTH	SPA (mm)	NO.	SIZE	LENGTH	SPA (mm)	NO.	SIZE	LENGTH	SPA (mm)	NO.	SIZE		
0°	8.5	#16	8440	280					#13	1000	280	#16	900	250	29	#16	300	115 ②	1.43	
	10.2	#16	10 150	280					#13	1000	280	#16	900	250	35	#16	300	146	1.82	
	10.7	#16	10 570	280					#13	1000	280	#16	900	250	37	#16	300	146	1.89	
30°	8.5	#16	8440	280	34	#16	375 TO 8100	280	#13	1000	280	#16	900	250	29	#16	300	115 ②	1.43	
	10.2	#16	10 150	280	42	#16	375 TO 9800	280	#13	1000	280	#16	900	250	35	#16	300	146	1.82	
	10.7	#16	10 570	280	42	#16	375 TO 10 200	280	#13	1000	280	#16	900	250	37	#16	300	146	1.89	

- ① NO. OF BARS SHOWN IS FOR TWO SKEWED ENDS
 ② WEIGHT SHOWN IS FOR TYPE A, B, OR C DOUBLE TEES. FOR TYPE D AND E DOUBLE TEES USE 121 kg/m



DEAD LOAD DEFLECTION INCLUDES DEFLECTION DUE TO CAST IN PLACE SLAB AND RAILING

DEAD LOAD DEFLECTION SCHEDULE						
SPAN (m)	6.0	8.0	10.0	12.0	14.0	16.0
DEFLECTION (mm)	1	2	3	3	5	9

PRESTRESSED CONCRETE DOUBLE TEE MEMBERS

SPECIFICATIONS: PRESTRESSED CONCRETE DOUBLE TEE MEMBERS SHALL MEET THE REQUIREMENTS OF SECTION 503 OF THE CURRENT STANDARD SPECIFICATIONS.

CYLINDER STRENGTH : AT TRANSFER OF THE TENSIONING LOAD. THE CYLINDER STRENGTH OF THE CONCRETE SHALL BE AT LEAST 31 MPa.

STEEL STRANDS: GRADE 270, 7 WIRE, UNCOATED, LOW-LAX. STEEL STRANDS OF THE SIZE SHOWN ON THE PLANS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-203 (ASTM A-416). INITIAL LOAD PER STRAND SHALL BE 128.6 kN

SHOP DRAWING: THE CONTRACTOR SHALL HAVE HIS PRESTRESSED CONCRETE DOUBLE TEE FABRICATOR FURNISH THE ENGINEER, FOR HIS APPROVAL, TWO SETS OF CHECKED SHOP DRAWINGS, ONE COPY SHALL BE RETURNED TO THE FABRICATOR APPROVED OR WITH ANY DESIRED CORRECTIONS INDICATED. THE FABRICATOR SHALL THEN FURNISH THE ENGINEER WITH AS MANY, GENERALLY FIVE, CORRECTED COPIES OF THE SHOP DRAWING AS MAY BE REQUIRED FOR APPROVAL AND DISTRIBUTION. THE APPROVAL OF THE SHOP DRAWINGS IN NO WAY RELIEVES THE CONTRACTOR OR HIS FABRICATOR OF THE RESPONSIBILITY FOR MISTAKES ON THE SHOP DRAWINGS.

DIAPHRAGM REINFORCING SCHEDULE																																																		
SKEW	SLAB WIDTH (m)	DOUBLE TEE TYPE	REINFORCING																								QUANTITIES																							
			ONE ABUTMENT												ONE PIER												REINFORCING STEEL (kilograms)		CONCRETE (cubic meter)																					
			F1			F2			F3			F4			SD1			SD3			SD4			F1			F2			F3			SD2			ABUTMENT	PIER	ABUTMENT	PIER											
NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)	NO	SIZE	LENGTH (mm)															
0°	8.5	A	4	#16	8440	8	#16	1000	6	#16	700				58	#13	1525																			159	181	2.11	3.28											
		B & C	4	#16	8440	8	#16	1000	6	#16	700				58	#13	1525																					159	181	2.77	4.32									
		D & E	4	#16	8440	10	#16	1000	8	#16	275				60	#13	1525																						163	185	2.78	4.55								
	10.2	D & E	4	#16	10 150	12	#16	1000	10	#16	275				72	#13	1525																							195	222	3.26	5.42							
		10.7	A	4	#16	10 570	10	#16	1000	8	#16	700				72	#13	1525																							199	227	2.65	4.17						
			B & C	4	#16	10 570	10	#16	1000	8	#16	700				72	#13	1525																							199	227	3.45	5.49						
30°	8.5	A	4	#16	9740	8	#16	1125	6	#16	800	3	#16	600	56	#13	1525	2	#13	1450	2	#13	1700	3	#16	9740	16	#16	1125	12	#16	800	58	#13	1800									176	192	2.11	3.28			
		B & C	4	#16	9740	8	#16	1125	6	#16	800	3	#16	600	56	#13	1525	2	#13	1450	2	#13	1700	3	#16	9740	16	#16	1125	12	#16	800	58	#13	1800											176	192	2.77	4.32	
		D & E	4	#16	9740	10	#16	1125	8	#16	325	3	#16	600	58	#13	1525	2	#13	1450	2	#13	1700	3	#16	9740	20	#16	1125	16	#16	325	60	#13	1800											179	196	2.78	4.55	
	10.2	D & E	4	#16	11 720	12	#16	1125	10	#16	325	3	#16	600	70	#13	1525	2	#13	1450	2	#13	1700	3	#16	11 720	24	#16	1125	20	#16	325	72	#13	1800											214	214	3.26	5.42	
	10.7	A	4	#16	12 180	10	#16	1125	8	#16	800	3	#16	600	70	#13	1525	2	#13	1450	2	#13	1700	3	#16	12 180	20	#16	1125	16	#16	800	72	#13	1800												219	241	2.65	4.17
		B & C	4	#16	12 180	10	#16	1125	8	#16	800	3	#16	600	70	#13	1525	2	#13	1450	2	#13	1700	3	#16	12 180	20	#16	1125	16	#16	800	72	#13	1800												219	241	3.45	5.49

ADDITIONAL SLAB REINFORCING OVER PIERS						
SLAB WIDTH (m)	SPAN (m)	REINFORCING				QUANTITIES
		NO	SIZE	LENGTH (mm)	SPA (mm)	
8.5	6.0, 8.0, 10.0	28	#16	4500	300	196
	12.0, 14.0	28	#19	6000	300	376
	16.0	28	#25	6000	300	668
10.2	14.0	34	#19	6000	300	456
	16.0	34	#25	6000	300	811
10.7	6.0, 8.0, 10.0	36	#16	4500	300	252
	12.0, 14.0	36	#19	6000	300	483

GENERAL NOTES - DOUBLE TEE BRIDGE

- CONCRETE: ALL CONCRETE IN SLAB AND DIAPHRAGMS SHALL BE CLASS AA WITH NO. 67 COURSE AGGREGATE AND SHALL BE POURED IN ONE CONTINUOUS POUR.
- REINFORCING STEEL: ALL REINFORCING STEEL IN SLAB AND DIAPHRAGM SHALL BE GRADE 420. SR1 AND SR2 BARS (IN CONCRETE RAIL POSTS) SHALL BE IN PLACE AND TIED BEFORE SLAB IS POURED. WEIGHT OF SR1 AND SR2 BARS SHALL BE ADDED TO REINFORCING QUANTITY. (SEE STD. TRIM FOR DETAILS AND SPACING).
- DECK: THE TOP FLANGE OF DOUBLE TEE WHEN ERECTED SHOULD BE CONSIDERED AS DECK FORMS AND SHOULD NOT BE SUBJECTED TO ANY LOADS GREATER THAN THOSE NORMALLY PLACED ON DECK FORM WORK OF GIRDER BRIDGES. THE DRIVING SURFACE OF TEE BEAM SLAB SHALL HAVE A SLOPE OF 2.0 % EACH WAY FROM CENTERLINE OF BRIDGE UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS.

NOTE: NUMBERS AND QUANTITIES SHOWN ARE FOR SLAB REINFORCING OVER ONE PIER WHEN SPANS ARE OF UNEQUAL LENGTHS, THE REINFORCING FOR THE LONGER SPAN SHALL BE USED.

APPROVED BY BRIDGE ENGINEER	DATE
OKLAHOMA DEPT. OF TRANSPORTATION COUNTY BRIDGE STANDARD (METRIC) DOUBLE TEE BRIDGE SLAB SCHEDULE	
1999 SPECIFICATIONS	TTB3-1 OOM
ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.	
CB-14M	