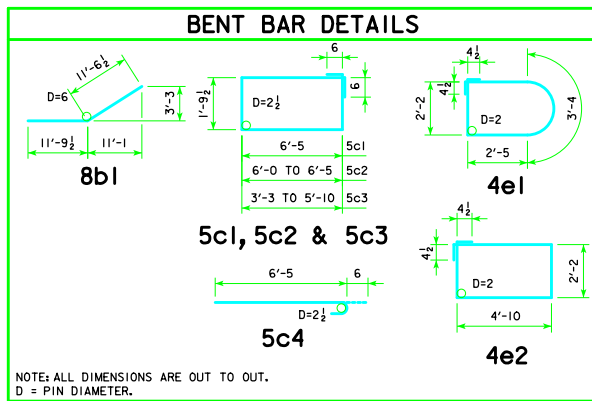


		CAP																											
C - C ABUT. BEARINGS		160'-0		180'-0		200'-0		220'-0		240'-0		260'-0		280'-0		300'-0		320'-0		340'-0									
BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT						
a1	43'-8		6	9	891	6	9	891	6	9	891	6	10	1127	6	10	1127	6	11	1392	6	11	1392	6	11	1392			
a2	43'-8		6	8	700	6	8	700	6	9	891	6	9	891	6	10	1127	6	10	1127	6	11	1392	6	11	1392			
a3	43'-8		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	6	131	2	9	297		
6a4	43'-8		6	6	394	6	6	394	6	6	394	6	6	394	6	6	394	6	6	394	6	6	394	6	6	394	6	6	394
6a5	41'-8		2	6	125	2	6	125	2	6	125	2	6	125	2	6	125	2	6	125	2	6	125	2	6	125	2	6	125
6a6	35'-4		2	6	106	2	6	106	2	6	106	2	6	106	2	6	106	2	6	106	2	6	106	2	6	106	2	6	106
6a7	29'-0		2	6	87	2	6	87	2	6	87	2	6	87	2	6	87	2	6	87	2	6	87	2	6	87	2	6	87
8b1	23'-4		8	8	498	8	8	498	8	8	498	8	8	498	8	8	498	8	8	498	8	8	498	8	8	498	8	8	498
5c1	17'-5		26	5	472	26	5	472	26	5	472	26	5	472	26	5	472	26	5	472	26	5	472	26	5	472	26	5	472
5c2	VARIES		12	5	213	12	5	213	12	5	213	12	5	213	12	5	213	16	5	284	16	5	284	16	5	284	16	5	284
5c3	VARIES		40	5	570	40	5	570	40	5	570	40	5	570	52	5	741	52	5	741	64	5	912	64	5	912	64	5	912
5c4	6'-11		20	5	144	20	5	144	20	5	144	20	5	144	20	5	144	20	5	144	20	5	144	20	5	144	20	5	144
① TOTAL (LB.)				4200		4200		4391		4627		4863		5034		5370		5806		5937		6103							
STRUCTURAL CONCRETE (CY)				29.9		29.9		29.9		29.9		29.9		29.9		29.9		29.9		29.9		29.9							



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

NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.  
NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.  
NOTE: THE PILE TYPE IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

		COLUMN																							
H IN FEET		STRUCTURAL CONCRETE (CY)		REINFORCING STEEL												TOTAL WEIGHT (LB.)									
COLUMN HEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	
16	5'-3	9.9	58	9	8'-0	1578	12	4	11'-1	89	30	4	14'-9	296	1963										
17	6'-3	11.8	58	9	9'-0	1775	14	4	11'-1	104	35	4	14'-9	345	2224										
18	7'-3	13.7	58	9	10'-0	1972	16	4	11'-1	118	40	4	14'-9	394	2484										
19	8'-3	15.6	58	9	11'-0	2169	18	4	11'-1	133	45	4	14'-9	443	2745										
20	9'-3	17.5	58	9	12'-0	2366	20	4	11'-1	148	50	4	14'-9	493	3007										
21	10'-3	19.4	58	9	13'-0	2564	22	4	11'-1	163	55	4	14'-9	542	3269										
22	11'-3	21.3	58	9	14'-0	2761	24	4	11'-1	178	60	4	14'-9	591	3530										
23	12'-3	23.2	58	9	15'-0	2958	26	4	11'-1	192	65	4	14'-9	640	3790										
24	13'-3	25.1	58	9	16'-0	3155	28	4	11'-1	207	70	4	14'-9	690	4052										
25	14'-3	27.0	58	9	17'-0	3352	30	4	11'-1	222	75	4	14'-9	739	4313										
26	15'-3	28.9	58	9	18'-0	3550	32	4	11'-1	237	80	4	14'-9	788	4575										
27	16'-3	30.8	58	9	19'-0	3747	34	4	11'-1	252	85	4	14'-9	838	4837										
28	17'-3	32.7	58	9	20'-0	3944	36	4	11'-1	267	90	4	14'-9	887	5098										
29	18'-3	34.6	58	9	21'-0	4141	38	4	11'-1	281	95	4	14'-9	936	5358										
30	19'-3	36.5	58	9	22'-0	4338	40	4	11'-1	296	100	4	14'-9	985	5619										
31	20'-3	38.4	58	9	23'-0	4536	42	4	11'-1	311	105	4	14'-9	1035	5882										
32	21'-3	40.3	58	9	24'-0	4733	44	4	11'-1	326	110	4	14'-9	1084	6143										
33	22'-3	42.2	58	9	25'-0	4930	46	4	11'-1	341	115	4	14'-9	1133	6404										
34	23'-3	44.1	58	9	26'-0	5127	48	4	11'-1	355	120	4	14'-9	1182	6664										
35	24'-3	45.9	58	9	27'-0	5324	50	4	11'-1	370	125	4	14'-9	1232	6926										
36	25'-3	47.8	58	9	28'-0	5522	52	4	11'-1	385	130	4	14'-9	1281	7188										
37	26'-3	49.7	58	9	29'-0	5719	54	4	11'-1	400	135	4	14'-9	1330	7449										
38	27'-3	51.6	58	9	30'-0	5916	56	4	11'-1	415	140	4	14'-9	1379	7710										
39	28'-3	53.5	58	9	31'-0	6113	58	4	11'-1	429	145	4	14'-9	1429	7971										
40	29'-3	55.4	58	9	32'-0	6310	60	4	11'-1	444	150	4	14'-9	1478	8232										

**PIER NOTES:**  
SEE "TEE PIER NOTES" ON RS40-003-14 FOR NOTES REGARDING APPLICATION OF THESE PIER STANDARDS.  
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.  
① SEE SHEET RS40-167-14 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES <b>ROLLED STEEL BEAM BRIDGES</b> OCTOBER, 2014
		<b>TEE PIER CAP &amp; COLUMN DETAILS</b> 20° SKEW
		<b>RS40-137-14</b>