DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	473R2	1204

Caltrans Metric

REGISTERED ENGINEER - CIVIL

12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER John Sun No. C 54648 Exp. 12/31/05 CIVIL STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

T.Y. LIN / MOFFATT & NICHOL
825 BATTERY STREET
SAN FRANCISCO, CA 94111

To get to the web site, go to: http://www.dot.ca.gov

W2 CAP BEAM CONTINUITY TENDON TABLE-1 FOR "E" LINE

Tendon No.	Type	Tendon No.	Type
1A	1	24A	1
1B	2	24B	2
2A	1	25A	1
2B	5	25B	2
3A	1	26A	1
3B	5	26B	2
4A	1	27A	1
4B	5	27B	2
5A	1	28A	1
5B	2	28B	2
6A	1	29A	3
6B	5	29B	2
7A	1	30A	3
△1 7B	5	30B	5, 9
8A	1	31A	3
8B	2	31B	5
9A	1	32A	1
9B	2	32B	5
10A	1	33A	1
10B	2	33B	5
11A	1	34A	1
11B	2	34B	2
12A	1	35A	1
12B	2	35B	2
13A	1	36A	1
13B	2	36B	5
14A	1	37A	1
14B	2	37B	5
15A	1	38A	1
15B	8 △1	38B	2
16A	1	39A	1
16B	8 △1	39B	5
17A	1	40A	1
17B	2	40B	5
18A	1	41A	1
18B	10 △1	41B	5
19A	1	42A	1
19B	4	42B	2
20A	1	43	2
20B	4	44	2
21A	1		
21B	4		
22A	1		
22B	2		
23A	1		
23B	2		

W2 CAP BEAM CONTINUITY TENDON TABLE-1 FOR "W" LINE

Tendon No.	Type	Tendon No.	Type
1A	1	24A	1
1B	2	24B	2
2A	1	25A	1
2B	5	25B	2
3A	1	26A	1
△1 3B	5	26B	8
4A	1	27A	1
△1 4B	5	27B	8
5A	1	28A	1
5B	2	28B	2
6A	1	29A	3
6B	5	29B	2
7A	1	30A	3
△1 7B	5	30B	5, 9
8A	1	31A	3
8B	2	31B	5
9A	1	32A	1
9B	2	32B	5
10A	1	33A	1
10B	2	33B	5
11A	1	34A	1
11B	2	34B	2
12A	1	35A	1
12B	2	35B	2
13A	1	36A	1
13B	2	36B	5
14A	1	37A	1
14B	2	37B	5
15A	1	38A	1
15B	2	38B	5 △2
16A	1	39A	1
16B	2	39B	5
17A	1	40A	1
17B	2	40B	5
18A	1	41A	1
18B	2	41B	5
19A	1	42A	1
19B	4	42B	6 △1
20A	1	43	2
20B	4	44	7 △1
21A	1		
21B	4,8 △1		
22A	1		
22B	4,8 △1		
23A	1		
23B	2		

W2 CAP BEAM CONTINUITY TENDON TABLE-2 FOR "E" LINE

Tendon No.	h	L	e_5	R
2B	-40	2200	500	8000
3B	+40	2200	500	8000
4B	-70	2200	500	8000
6B	-40	2200	500	8000
7B	+40	2200	500	8000
△1 30B	-1210	2400	1200	4000
31B	-978	2400	1200	5000
32B	-763	2400	1200	4000
△1 33B	-470	2400	1200	8000
36B	+40	2200	500	8000
37B	-40	2200	500	8000
39B	-70	2200	500	8000
40B	△2 +90	2200	500	8000
41B	-90	2200	500	8000

△1

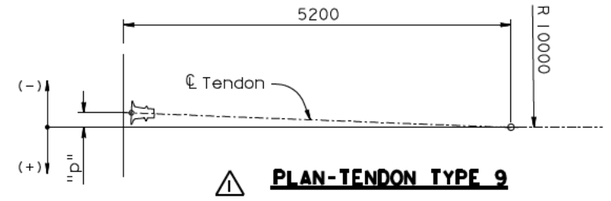
Tendon No.	p
15B	-50
16B	-50
30B	+200

W2 CAP BEAM CONTINUITY TENDON TABLE-2 FOR "W" LINE

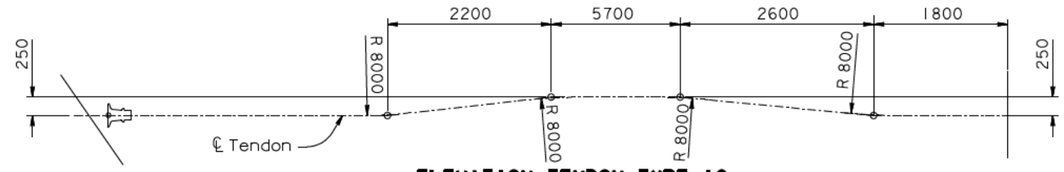
Tendon No.	h	L	e_5	R
2B	-40	2200	500	8000
3B	+40	2200	500	8000
4B	-70	2200	500	8000
6B	-40	2200	500	8000
7B	+40	2200	500	8000
△1 30B	-1285	-1285	1200	4000
31B	-1053	2400	1200	5000
32B	-795	2400	1200	5000
△1 33B	-515	2400	1200	8000
36B	+40	2200	500	8000
37B	-40	2200	500	8000
38B	+65	2200	500	8000 △2
△2 39B	-130	2200	500	8000
40B	+40	2200	500	8000
41B	-40	2200	500	8000

△1

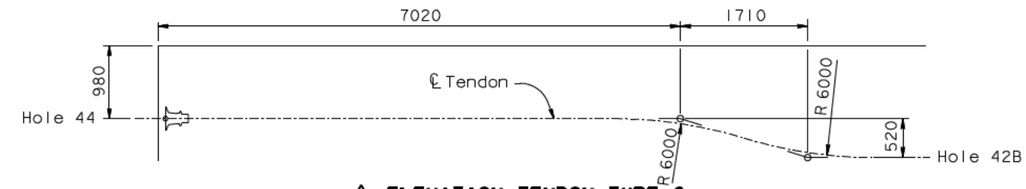
Tendon No.	p
21B	+100
22B	+100
26B	-50
27B	-50
30B	-200
44	+1200



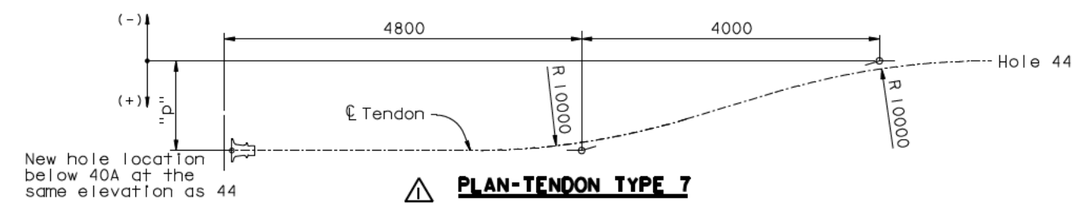
△1 **PLAN-TENDON TYPE 9**



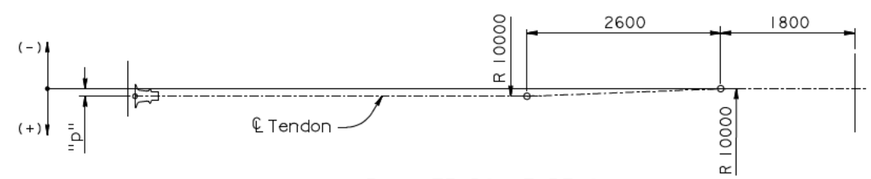
△1 **ELEVATION-TENDON TYPE 10**



△1 **ELEVATION-TENDON TYPE 6**



△1 **PLAN-TENDON TYPE 7**



△1 **PLAN-TENDON TYPE 8**

REGISTERED PROFESSIONAL ENGINEER Charles P. Duxbury No. C 64677 Exp. 06/30/07 CIVIL STATE OF CALIFORNIA

FOR REVISIONS ONLY

NOTES:

1. For Type 1 through Type 5 tendon geometry, see "W2 Cap Beam Post-Tensioning Details No. 11" sheet.
2. For general stressing sequence, see "Pier W2 Construction Sequence" sheet.
3. For additional prestressing details, see "Prestressing Notes" sheet.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
△2	01/31/07	CORROSION PROTECTION	JD	AS	16
△1	07/21/06	W2 CAP BEAM ISD	JD	NV	23

REVISIONS

CONTRACT CHANGE ORDER NO. ____
SHEET ___ OF ___

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
SELF-ANCHORED SUSPENSION BRIDGE
(SUPERSTRUCTURE & TOWER)

W2 CAP BEAM POST-TENSIONING DETAILS NO. 12

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 01/31/07

	BY	CHECKED
DESIGN	J. Sun	M. Chen
DETAILS	J. Duxbury	M. Chen
QUANTITIES	S. Shi	D. Harrison

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

BRIDGE NO. 34-0006L/R
KILOMETER POST 13.2/13.9

CU 04
EA 0120F1

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 05/31/01 04/26/02 07/24/02 12/19/02

SHEET 056R2 OF

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