



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	982R1	1204

REGISTERED ENGINEER - CIVIL

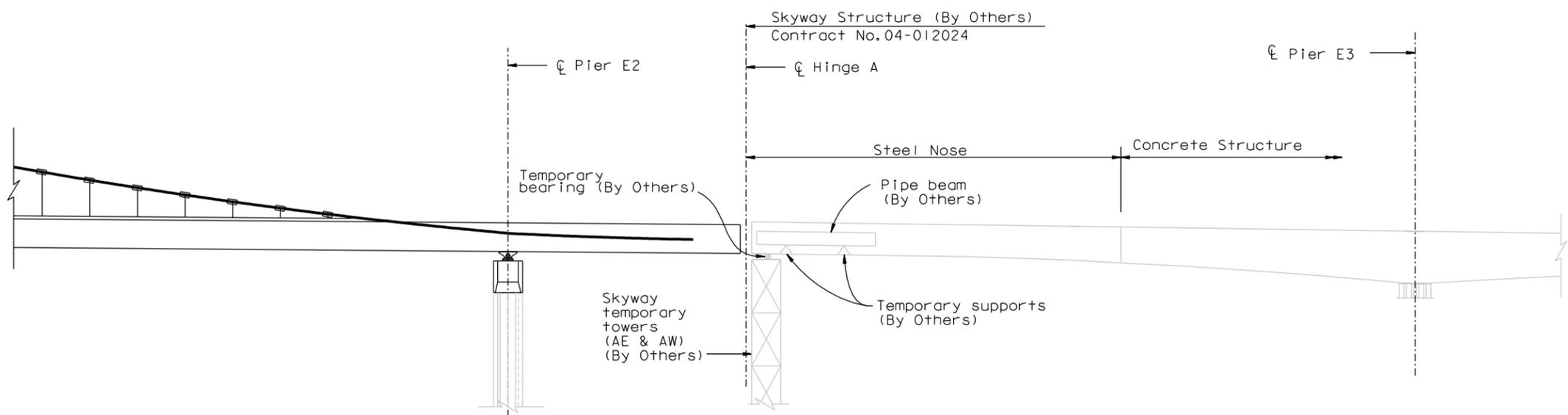
12-6-04

PLANS APPROVAL DATE

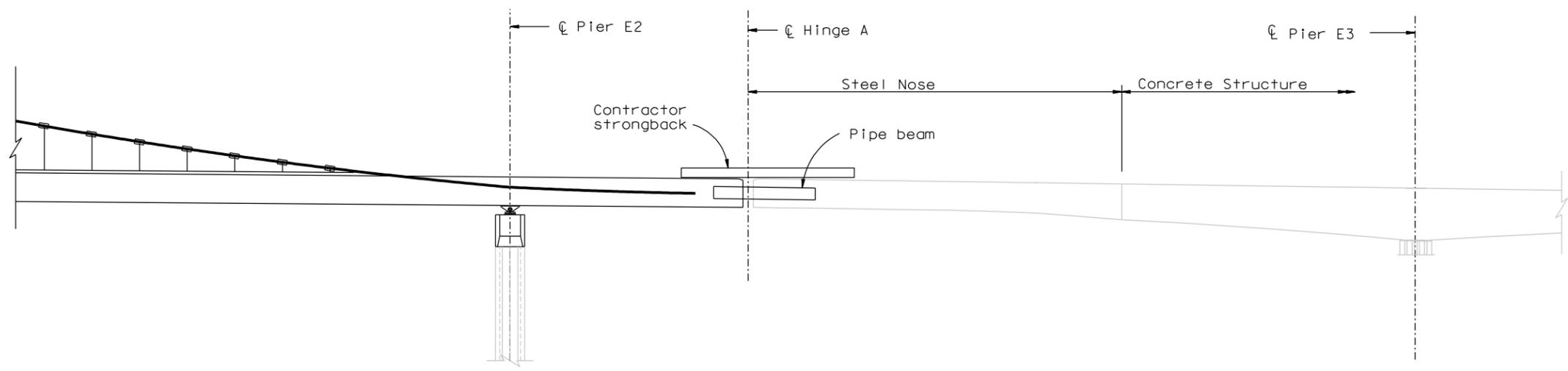
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SAN FRANCISCO, CA 94111

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**ELEVATION**  
1:500



**ELEVATION**  
1:500

**Step 1**

- Using load cells or calibrated jacks, the temporary bearing shall be raised or lowered such that the profile grade line meets the elevation given in the plans.
- The Contractor shall verify that the reaction at the support at Skyway temporary towers (AE & AW) do not exceed 2.25 MN per temporary tower for the target bridge profile (see Note 1).
- Install and temporarily support circular segmented bearings at Main Span Suspension Bridge hinge diaphragm.

**Step 2**

- Erect strongback across the hinge. The strongback system shall be capable of aligning the SAS and Skyway at the centerline of the top deck both in the vertical and transverse directions.
- Move pipe beams into final positions on temporary supports.
- Position and fix circular segmented bearings around pipe beams using gap spacers.
- Extract gap spacers and remove pipe beam temporary supports. Remove strongback.
- Remove Skyway temporary towers (AE & AW).

**NOTES:**

- The reaction value at the support of skyway temporary towers (AE & AW) is for DL plus SDL (no LRT and no Epoxy Asphalt on the Skyway steel nose).
- The Contractor shall readjust the suspender loads to incorporate the measured reactions (in step 1b) into his computation of target moments and cambers. The readjustment procedures and engineering calculations shall be submitted to the Engineer for review and approval prior to readjustment.

CONTRACT CHANGE ORDER NO. \_\_\_\_\_  
SHEET \_\_\_\_ OF \_\_\_\_

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

R. Valizadeh/V. Toan/Y.L./W.L./F.C. DESIGN OVERSIGHT	07/30/10	HINGE A MODIFICATIONS	MN	NV	120	
REVISIONS	MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#

DESIGN	BY M. Nader	CHECKED C. Seim
DETAILS	BY C. Mibelli	CHECKED J. Lopez-Jara
QUANTITIES	BY C. Mibelli	CHECKED J. Lopez-Jara

**PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION**

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

**SAN FRANCISCO OAKLAND BAY BRIDGE EAST SPAN SEISMIC SAFETY PROJECT**

**SELF-ANCHORED SUSPENSION BRIDGE (SUPERSTRUCTURE & TOWER)**

**HINGE A CONSTRUCTION SEQUENCE**

100% P S & E TIME PLOTTED => 11:03:50 USERNAME => gwintrow DATE PLOTTED => 30 JUL 2010