

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 229 Suppl. No. 0 Contract No. 04 - 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:

To: AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENTURE

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Adjustment of Compensation at Lump Sum:

Refabricate the PS-3 pipe supports for the 4" NPS Compressed Air line along the bikepath, and modify the PS-6 and PS-7 pipe supports to maintain a consistent 22 mm clearance between the PS-3 hinge and the edge of the bike path. This will ensure a minimum of 19 mm of clearance between the suspender brackets and the 4" NPS Compressed Air line.

The following revised plan sheets detail the changes addressed in this change order: 53R4 and 55R4 (of 1204) as shown on sheets 2 through 3 of this change order.

This change order resolves the costs associated with Contractor Request for Information (RFI) numbers 2480R0, 2480R1, 2480R2, 2480R3, and 2480R4 with respect to changes listed above.

For this work, the Contractor will receive a lump sum price of \$234,337.00. This sum constitutes full and complete compensation for furnishing all labor, material, tools and incidentals including all markups by reason of this change.

Adjustment of Compensation at Lump Sum..... \$234,337.00

Adjustment of Compensation at Force Account:

As directed by the Engineer, field verify that the modifications to the PS-6 pipe support maintained 19 mm of clearance between the suspender brackets and the 4" NPS Compressed Air line. If 19 mm clearance is not achieved through modifications above then perform further modifications to ensure acceptable clearance.

Labor, equipment and material authorized by the Engineer, as necessary, will be paid in accordance with the provisions of Section 4-1.03D, "Extra Work" of the Standard Specifications and Section 5-1.24, "Force Account Payment" of the Special Provisions.

Estimated Cost of Extra Work at Force Account..... \$30,000.00

Estimated Cost: Increase Decrease \$264,337.00

By reason of this order the time of completion will be adjusted as follows: 0 Days

Submitted by

Signature  Resident Engineer Darryl Schram, Senior T.E. Date 10/29/12

Approval Recommended by

Signature  Supervising Transportation Engineer William Casey, Sup. T.E. Date 10/26/12

Engineer Approval by

Signature  Supervising Transportation Engineer William Casey, Sup. T.E. Date 11-2-12

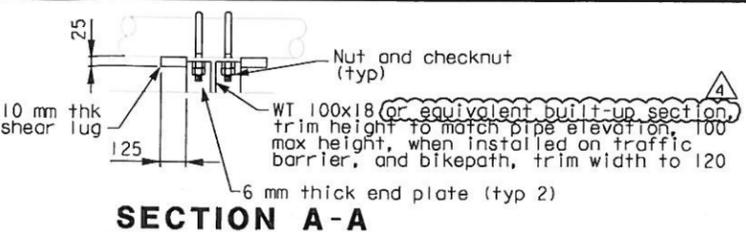
We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

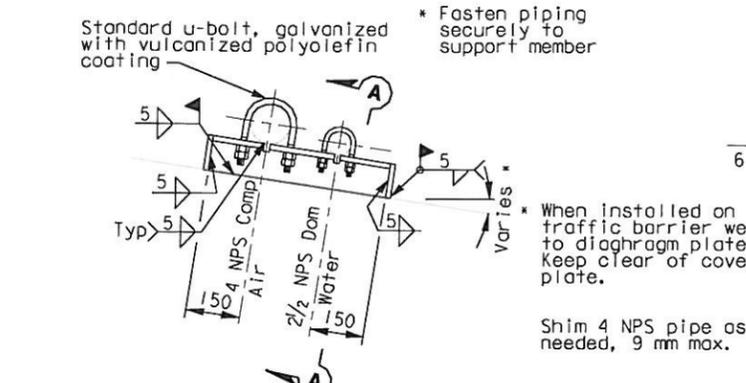
Contractor Acceptance by

Signature  (Print name and title) Date 31 OCT 12
BRIAN A. PETERSEN - PROJECT DIRECTOR

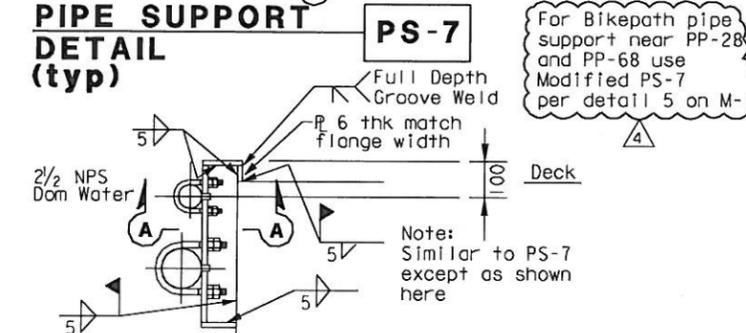
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 PROJECT ENGINEER: Rich Newell
 REVISIONS: 1, 2, 3, 4



SECTION A-A



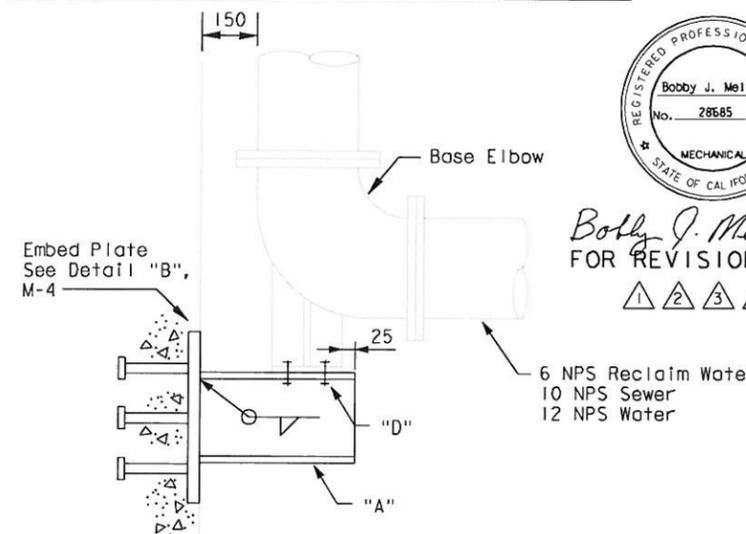
PIPE SUPPORT DETAIL PS-7 (Attachment to Concrete)



PIPE SUPPORT DETAIL PS-7 (Attachment to Bikepath)

Table for PS-10

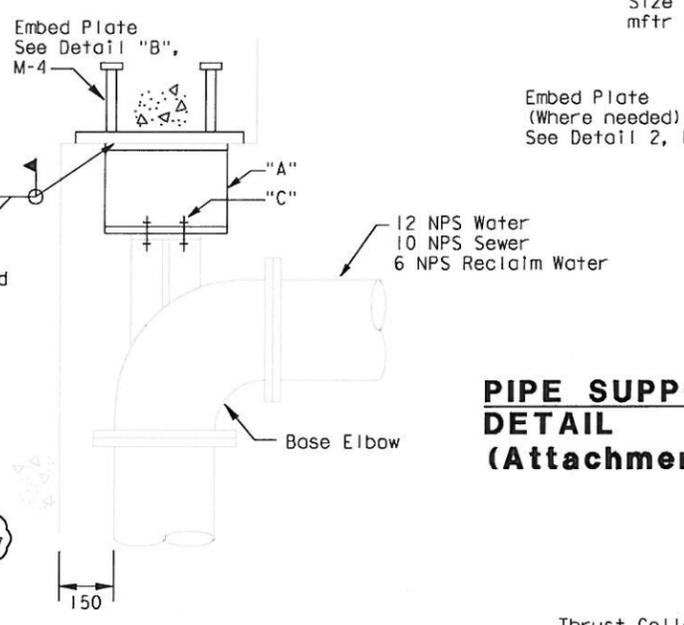
PIPE	"A"	"B"	"C"	"D"
6 NPS Reclaim Water	W200X36	4	6	19 mm BOLT - ASTM A325
10 NPS Sewer	W200X46	3	6	19 mm BOLT - ASTM A325
12 NPS Water	W200X46	3	6	19 mm BOLT - ASTM A325



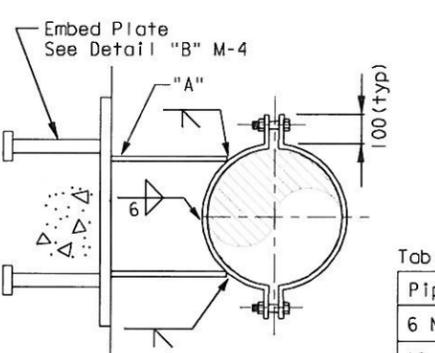
PIPE SUPPORT DETAIL PS-10

Table for PS-8

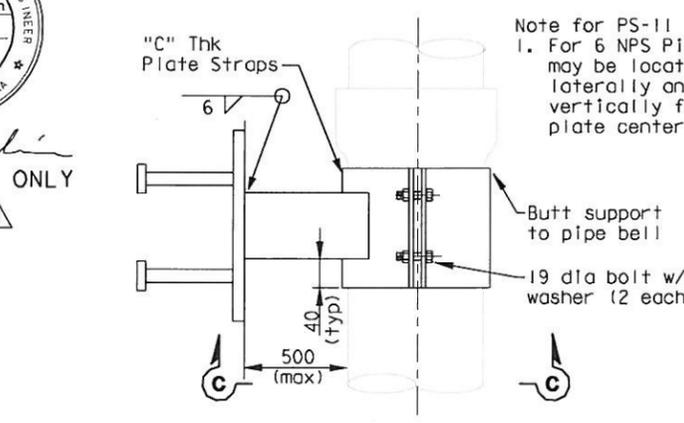
Pipe	"A"	"B"	"C"
6 NPS Reclaim Water	W250x49x250 long	3	16 mm, ASTM A325
10 NPS Sewer	W250x73x355 long	1	19 mm, ASTM A325
12 NPS Water	W250x73x355 long	1	19 mm, ASTM A325



PIPE SUPPORT DETAIL PS-8

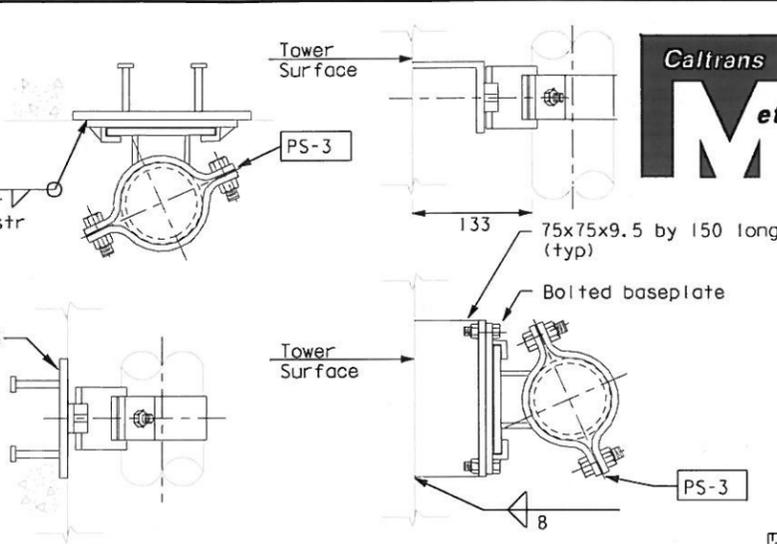


SECTION C-C



PIPE SUPPORT DETAIL PS-11

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN

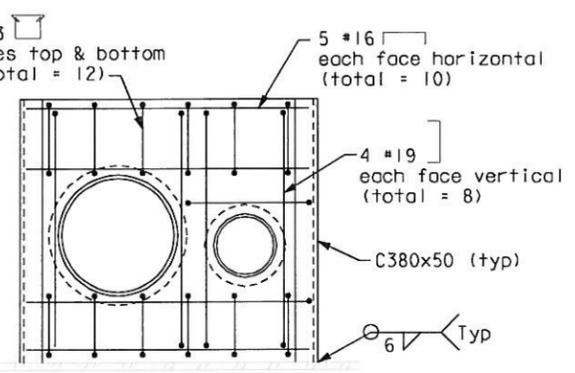


PIPE SUPPORT PS-9 (Attachment to Concrete)

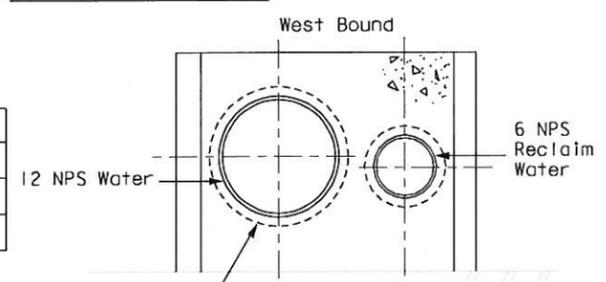
PIPE SUPPORT PS-9 (Attachment to Tower)

Thrust Collar for PS-12

Pipe	Axial Load Rating (kg)
6 NPS	6,000
10 NPS	13,000
12 NPS	18,000



SECTION D-D



PIPE SUPPORT PS-12 (West Bound)

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
4	2/17/12	BIKE PATH PIPE SUPPORT	MM	BM	229
3	4/22/09	MISCELLANEOUS MECHANICAL	CM	BM	83
2	1/18/08	MECHANICAL MODIFICATIONS	VY	BM	31
1	9/05/07	MECHANICAL MODIFICATIONS	BM	RM	31

CONTRACT CHANGE ORDER NO. 229
 SHEET 3 OF 3

DIST 04 COUNTY SF ROUTE 80 KILOMETER POST TOTAL PROJECT 13.2/13.9 SHEET No 55R4 TOTAL SHEETS 1204

Caltrans
Metric

Bobby J. Melvin 11/25/2009
 REGISTERED MECHANICAL ENGINEER DATE

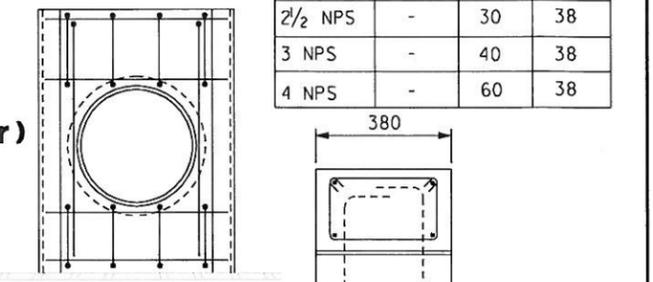
PLANS APPROVAL DATE

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
 303 SECOND STREET, SUITE 700 N
 SAN FRANCISCO, CA 94107

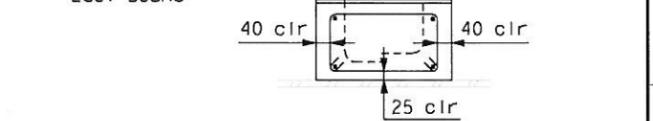
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.
 To get to the web site, go to <http://www.dot.ca.gov>

Table for PS-3 to use with PS-9

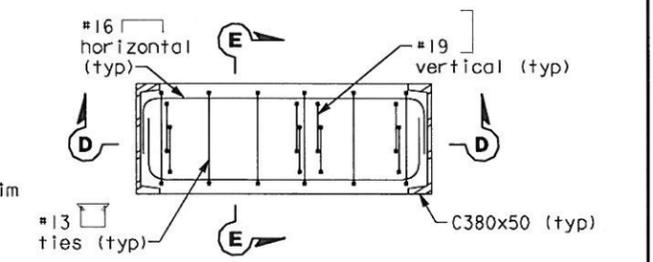
Pipe	Vert. Load (kg)	Lat. Load (kg)	Axial Move (mm)
2 NPS	-	30	38
2 1/2 NPS	-	30	38
3 NPS	-	40	38
4 NPS	-	60	38



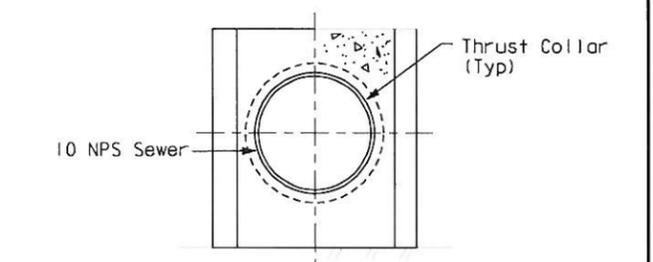
SECTION D-D East Bound



SECTION E-E



PLAN NEAR TOP



PIPE SUPPORT PS-12 (East Bound)

MECHANICAL PIPE SUPPORT DETAILS No. 2
 NO SCALE
M-19