DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	101	14.6/15.0	1	5

INDEX OF SHEETS

Sheet Number	
1	Title and Location Map
2-4	New and Revised Standard Plans
STRUCTURE PLANS	
5	Presidio Viaduct General Plan Bridge No. 34-0019

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO CONTRACTORS AND SPECIAL PROVISIONS BOOK.

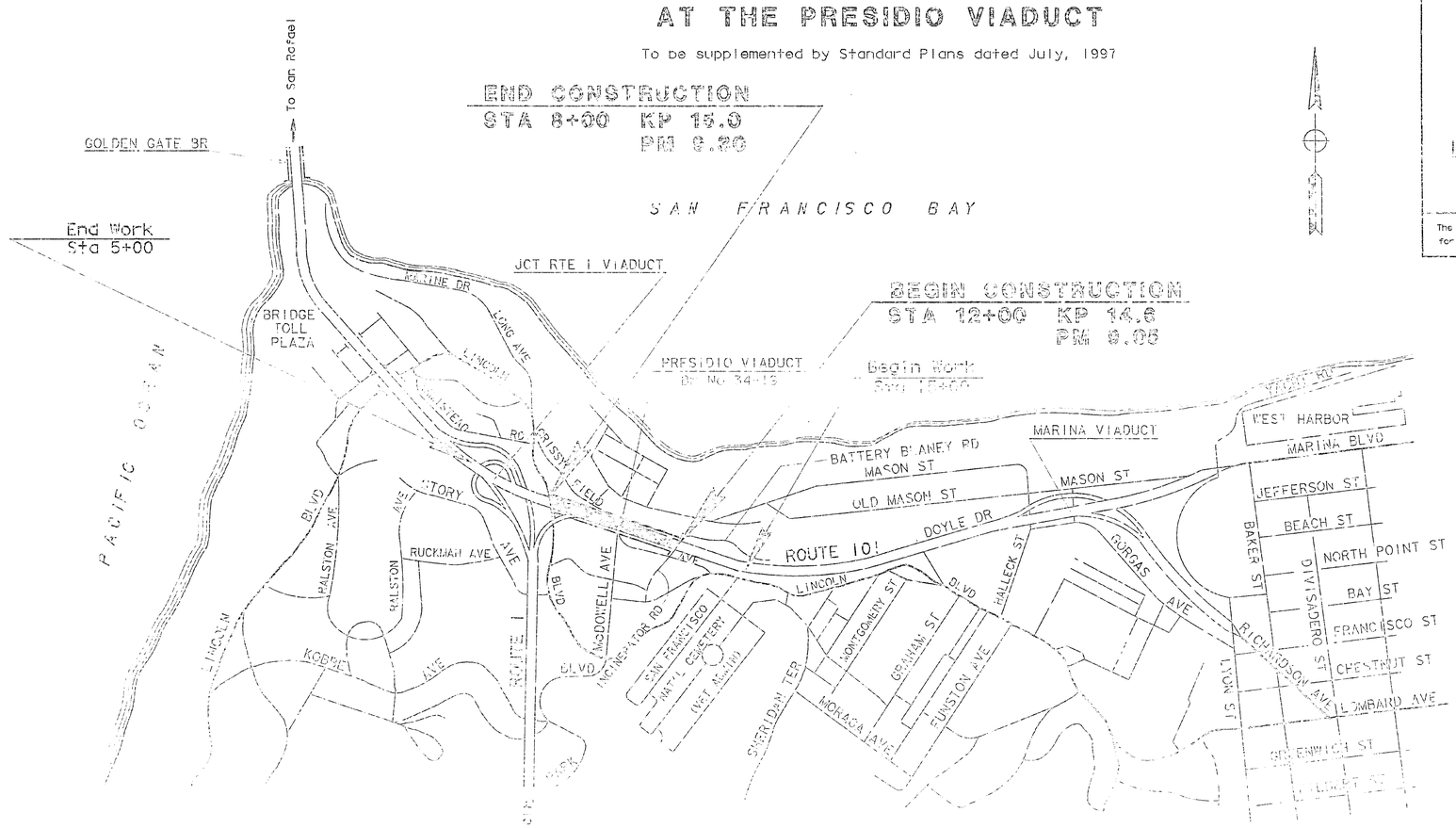
STATE OF CALIFORNIA

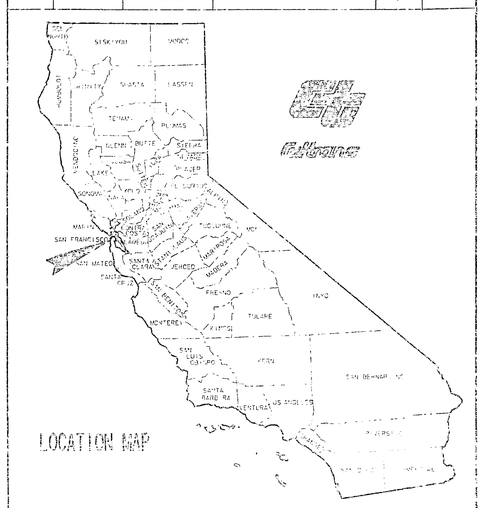
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CLEANING AND PAINTING BRIDGE ON STATE HIGHWAY

IN THE CITY AND COUNTY OF SAN FRANCISCO AT THE PRESIDIO VIADUCT

To be supplemented by Standard Plans dated July, 1997





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.

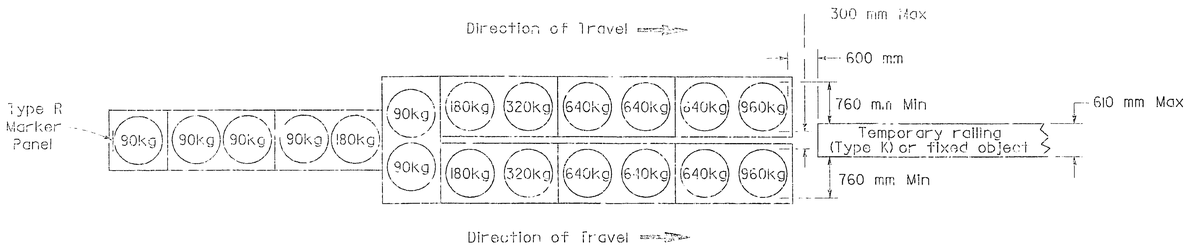
AS-BUILT
DATE: 10-18-00
TYPE OF WORK:
Clean & Paint Bridge

NO Construction Changes

CONTRACT No. 04-CR0601
DATE ACCEPTED 1-17-00
AS BUILT
RESIDENT ENGINEER A. Yan

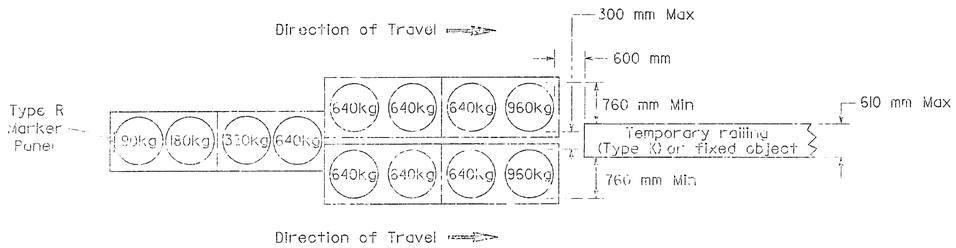
10-23-98

February 1, 1999



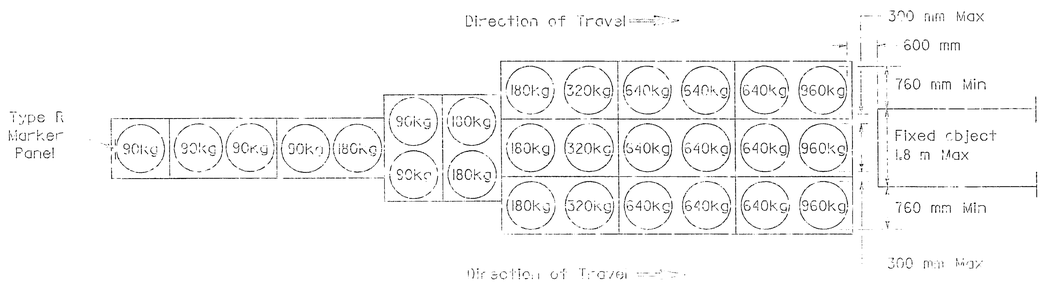
ARRAY 'TUA'

(APPROACH SPEED 110 km/h OR LESS)



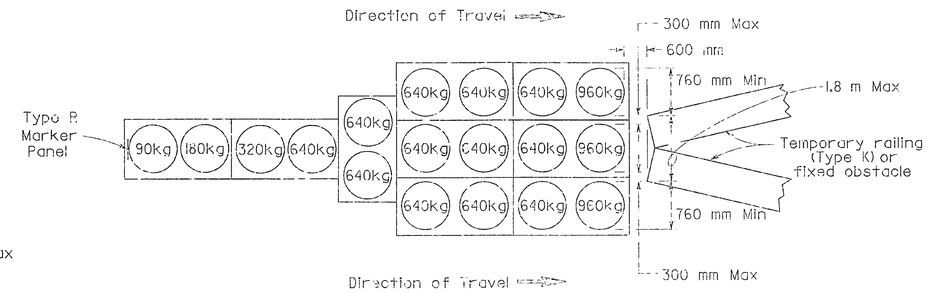
ARRAY 'TUB'

(APPROACH SPEED 80 km/h OR LESS)
(FOR SPEED GREATER THAN 80 km/h USE ARRAY 'TUA')



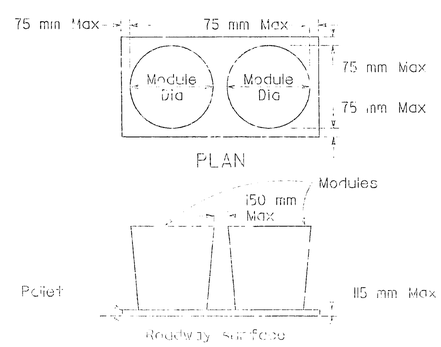
ARRAY 'TUC'

(APPROACH SPEED 110 km/h OR LESS)



ARRAY 'TUD'

(APPROACH SPEED 80 km/h OR LESS)
(FOR SPEED GREATER THAN 80 km/h USE ARRAY 'TUC')



CRASH CUSHION PALLET DETAIL

NOTES

1. (XXX) Indicates sand filled module location and mass of sand in kilograms for each module. Module grading is based on the outside diameter of the module.
2. All sand masses are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 25 mm below the module lid.
5. Refer to Standard Plan A73B for marker details.

NO CONSTRUCTION CHANGES
CONTRACT No. 04-38804
DATE ACCEPTED
AS BUILT
RESIDENT ENGINEER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION,
SAND FILLED
(TRANSITIONAL)

NO SCALE

ALL DIMENSIONS SHOWN ARE
MILLIMETERS UNLESS OTHERWISE NOTED

04	3F	00	14.6/15.0	2	5

REGISTERED CIVIL ENGINEER
August 6, 1998
PLANS APPROVAL DATE
REGISTERED PROFESSIONAL ENGINEER
Ellis K. Hirst
No. C17926
Exp. 6-30-01
Civil
STATE OF CALIFORNIA

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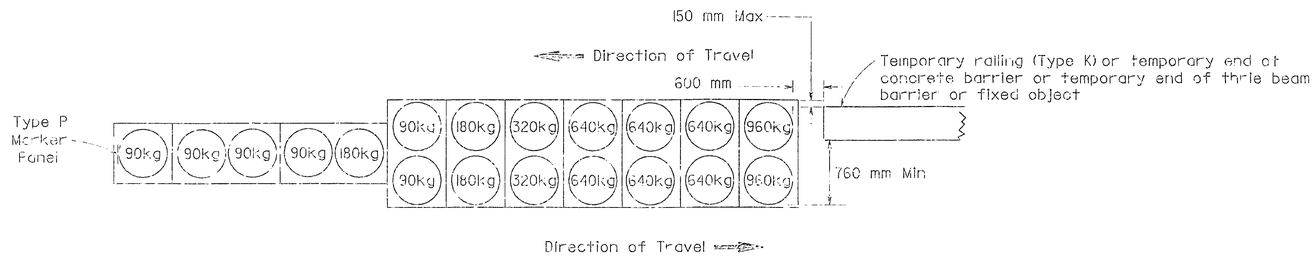
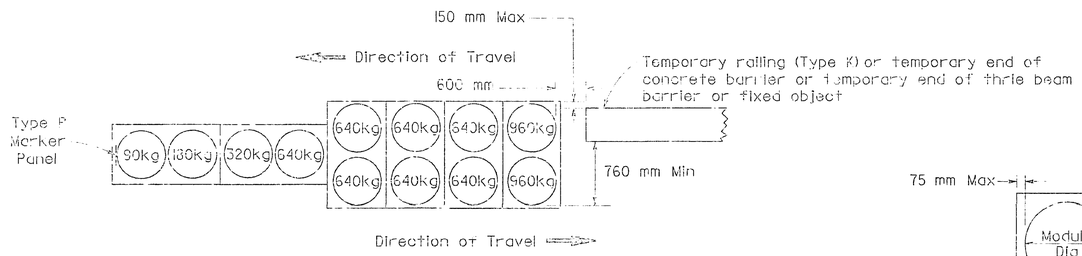
To accompany plans dated 2-1-99

STD. PLAN



ARRAY 'TBA'

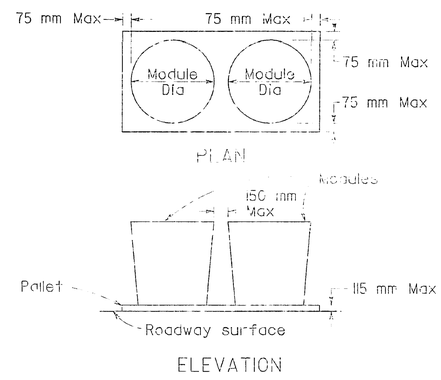
(APPROACH SPEED 110 km/h OR LESS)



ARRAY 'TBB'

(APPROACH SPEED 80 km/h OR LESS)

(FOR SPEEDS GREATER THAN 80 km/h USE ARRAY 'TBA')



CRASH CUSHION PALLET DETAIL

NOTES

1. (XXX) indicates sand filled module location and mass of sand in kilograms for each module. Module spacing is based on the greater diameter of the module.
2. All sand masses are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.

Caltrans Metric

0 SF 01 14.6/15.0 3 5

REGISTERED CIVIL ENGINEER

August 6, 1998

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Ellis K. Hirst
No. C17926
Exp. 6-30-01
STATE OF CALIFORNIA

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To accompany plans dated 2-1-99

NO CONSTRUCTION CHANGES
CONTRACT No. 04-0K9404
DATE ACCEPTED 1-11-00
AS BUILT
RESIDENT ENGINEER

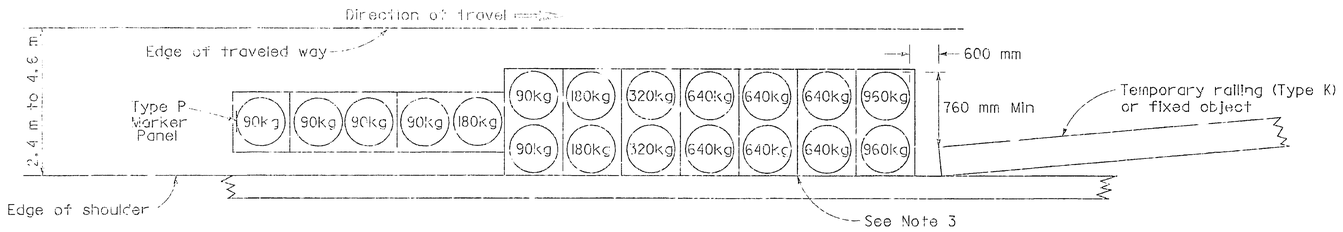
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED, INTERMEDIATE

NO SCALE

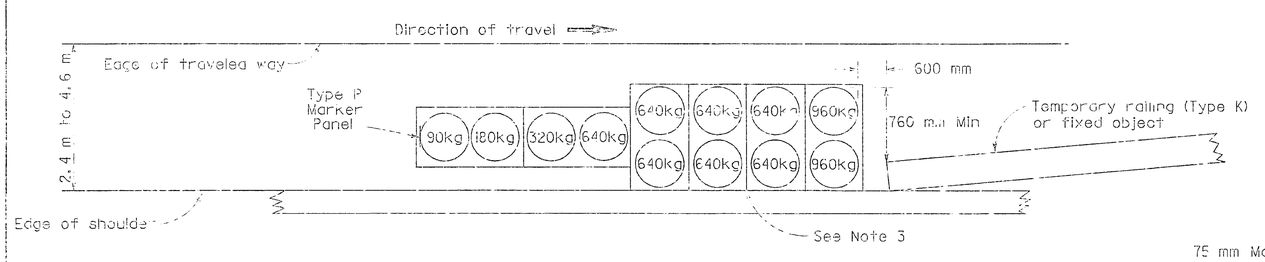
PLAN NO. T-80

PLAN NO. T-80



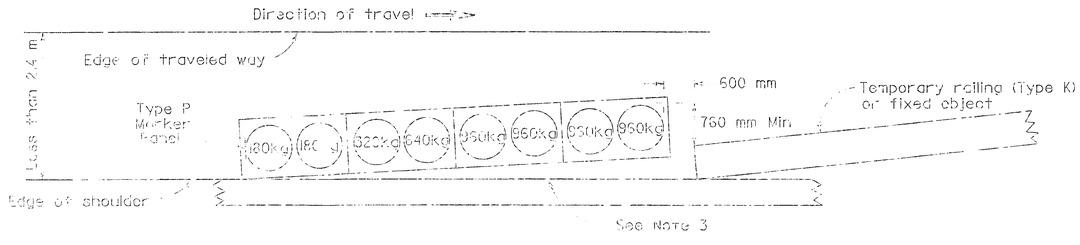
ARRAY 'TSA'

(APPROACH SPEED 110 km/h OR LESS)



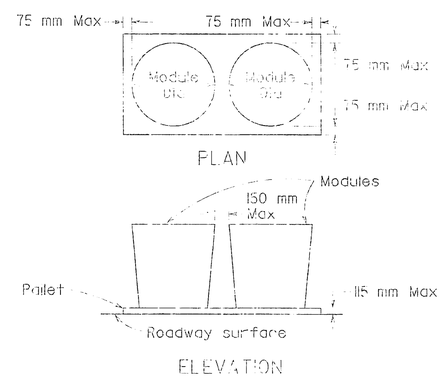
ARRAY 'TSB'

(APPROACH SPEED 90 km/h OR LESS)
(FOR SPEEDS GREATER THAN 90 km/h USE ARRAY 'TSA')



ARRAY 'TSC'

(APPROACH SPEED 90 km/h OR LESS AND SHOULDER WIDTHS LESS THAN 2.4 m)
(SEE NOTE 3)



CRASH CUSHION PALLET DETAIL

Caltrans
Electronic Signature
Elliot K. Hirst
REGISTERED CIVIL ENGINEER
August 6, 1998
PLANS APPROVAL DATE
REGISTERED PROFESSIONAL ENGINEER
Elliot K. Hirst
C17926
Exp. 6-30-01
CIVIL
STATE OF CALIFORNIA
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04 SR 101 4.6/15.0 4 5

To accompany plans dated 2-1-99

NOTES

1. (XXX) Indicates sand filled module location and mass of sand in kilograms for each module. Module spacing is based on the greater diameter of the module.
2. All sand masses are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array. For Array 'TSC', a solid backup (wall, barrier or a toe of cut or fill slope) is required along the backside of the crash cushion array to reduce penetration of the modules.
4. If the fixed object or approach end of the temporary railing is less than 4.60 meters from the edge of traveled way, a temporary crash cushion is required.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rest upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For approach speed of greater than 90 km/h or shoulder widths less than 2.4 m, appropriate crash cushion protection shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion protection shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.

NO CONSTRUCTION CHANGES
CONTRACT NO. [illegible]
DATE ACCEPTED [illegible]
AS BUILT
RESIDENT ENGINEER [illegible]

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION
SAND FILLED
(MODULAR TRANSITION)
ARRAYS

[illegible]

STD. PLAN
[illegible]

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	101	14.6/15.0	5	5

REGISTERED ENGINEER - CIVIL

2-1-99

PLANS APPROVAL DATE

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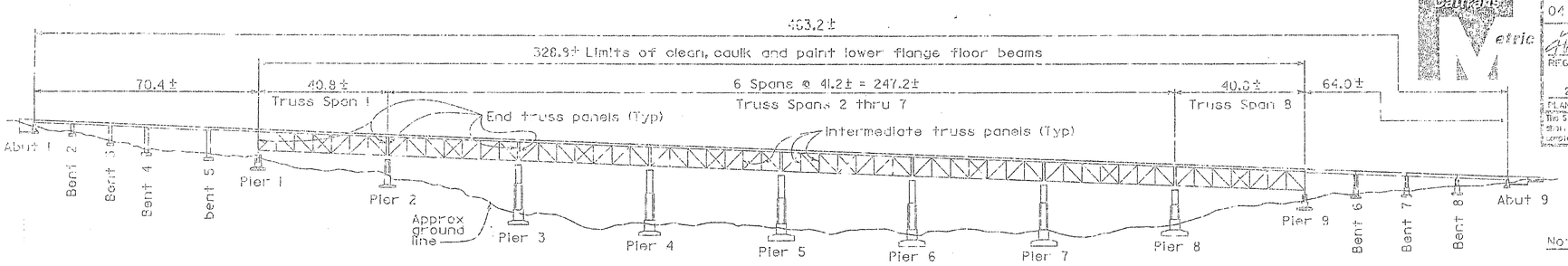
REGISTERED PROFESSIONAL ENGINEER KWAN Y. LAM No. C34948 Exp. 9-30-99 CIVIL STATE OF CALIFORNIA

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

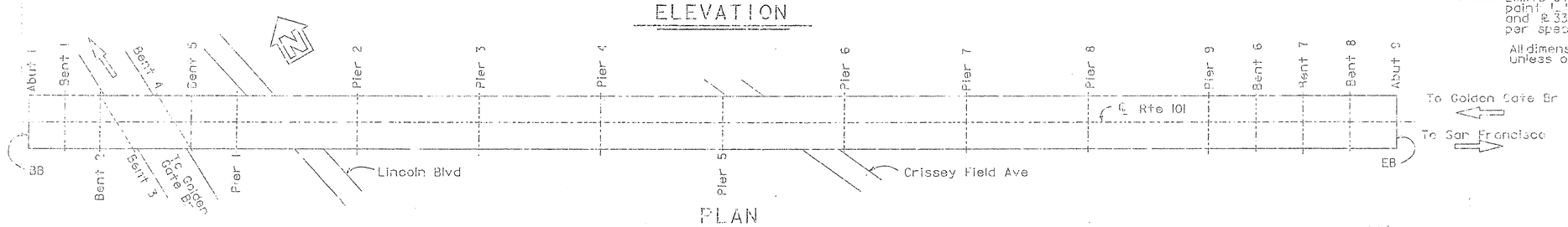
Notes:

—— Limits of clean, caulk and paint L 152mm x 152mm x 16mm and @ 330mm x 13mm per specification.

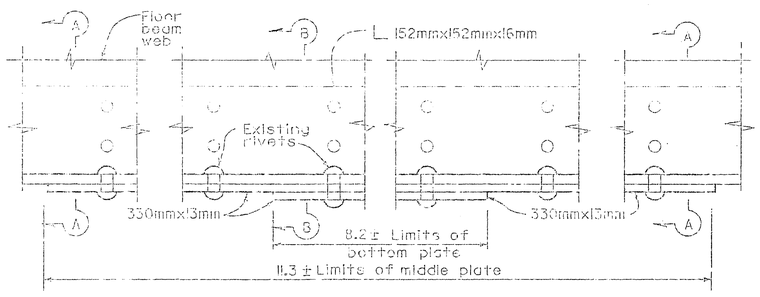
All dimensions are in meters, unless otherwise noted.



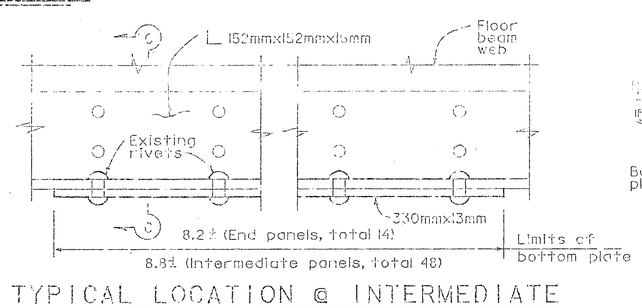
ELEVATION



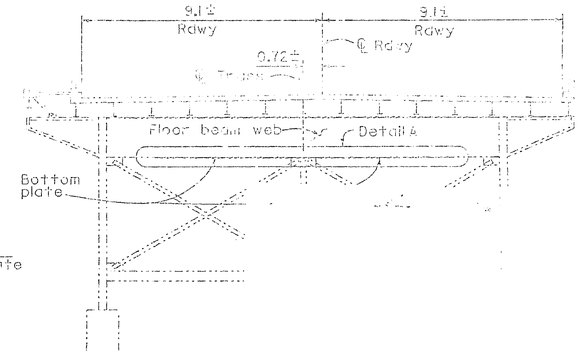
PLAN



TYPICAL LOCATION @ PIER 1 & 9
END PANEL OF END TRUSS SPANS - TOTAL 2

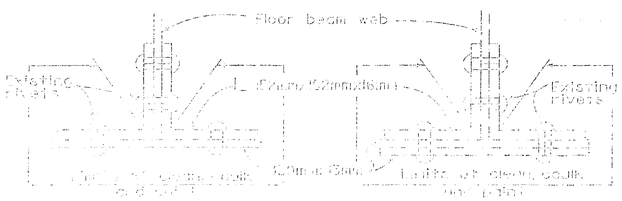


TYPICAL LOCATION @ INTERMEDIATE
PANELS AND @ END TRUSS PANELS

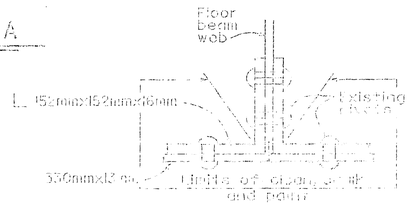


Piers 1, 2 & 9

DETAIL A



SECTION B-B



SECTION C-C

QUANTITIES

CLEAN STRUCTURAL STEEL (EXISTING PROJECT)	LUMP SUM
TOTAL CLEAN STRUCTURAL STEEL	LUMP SUM
EXISTING BRIDGE	
PIER 1 & 9 WORKTOWER	LUMP SUM

TYPICAL SECTION

HQ CONSTRUCTION CHANGES

CONTRACT

DATE ACCEPTED

AS BUILT

RESIDENT ENGINEER