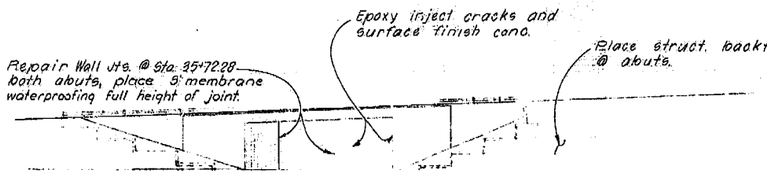
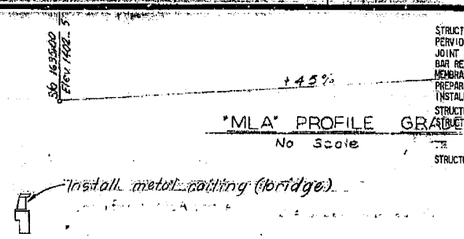


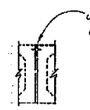


APPROXIMATE QUANTITIES	53-1959
STRUCTURE BACKFILL (BRIDGE)	6,120 CY
PERVIOUS BACKFILL MATERIAL	1,060 CY
JOINT SEAL (MR 1/2")	295 LF
BAR REINFORCING STEEL (BRIDGE)	23,000 LB
MEMBRANE WATERPROOFING	400 SQ YD
PREPARE AND PAINT CONCRETE	2,500 SQ YD
INSTALL METAL RAILING (BRIDGE)	628 LF
STRUCTURE EXCAVATION (BRIDGE)	350 CY
STRUCTURE CONCRETE, BRIDGE	110 CY
FINAL PAY QUANTITIES	
STRUCTURE CONCRETE, BRIDGE FOOTING	40 CY

53-1959
EQ DAMAGE REPAIR

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5, 14	R46.7/R48.7	392	399

NEW APPROVED November 20, 1972



AS BUILT
CORRECTIONS BY WC Hahn
CONTRACT NO. 07-287844
DATE 3-25-75
CMW 4/28/75

INDEX TO PLANS

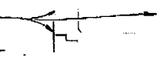
Sht No.	Title
1	General Plan
2	Retaining Walls - Abut 1
3	" " " 2

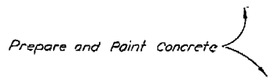
Standard Plans - 1971

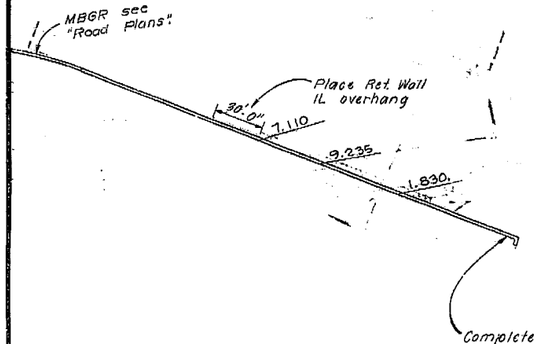
A62-B.2	Excavation and Backfill Bridges & Walls - Limits for Payment
B0-3	Bridge Details
B3-1	Retaining Wall - Type 1 H=4'-30
B3-8	Retaining Wall Details No. 1
B6-21	Joint Seal Details
B11-36	B.A.G.R. Type 8 - Layout
B11-37	B.A.G.R. Type 8 - Details
B11-39	Barrier Railing Type 9
B11-43	Metal Railing Details - Types 9 & 11
B3-2	Retaining Wall - Type 1 H=32'-36'

Standard Plan Sheet No.
Detail No.

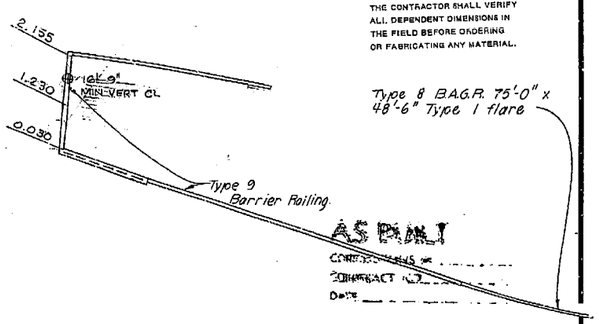
Note: Foded lines represent existing structure. Solid lines represent New Construction.







PERMANENT REFERENCE ELEVATIONS ARE CHISELED X, PAINTED RED, IN OUTSIDE RAIL BOLTS. ASSUMED ELEVATIONS.



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

AS PLANT
CONTRACT NO.
DATE

Ramp	L1	S1	L2	S2	L3	S3
MLA		5.75%	30	4.75%	400	5%

AS BUILT PLANS
Contract No. 07-287844
Date Completed
Document No. 7000 7157

FOR GENERAL NOTES SEE

LIVE LOADING HS20-44 AND ALTERNATIVE

EARTHQUAKE DAMAGE RESTORATION

BRIDGE DEPARTMENT
DESIGN SECTION 14
Section Supervisor A. P. Bergmann
Project Designer D. Berndt

DESIGN	by M E Cauley	Checked	J. Stoermann
DETAILS	by M E Cauley	Checked	J. Stoermann
LAYOUT	by M E Cauley	Checked	J. Stoermann
QUANTITIES	by Jim Gabrielson	Checked	J. Stoermann
SPECIFICATIONS	by [illegible]	Plans and Specs. Prepared	9-28-72

Approval Recommended by M. J. Gaede, Bridge Engineer
Approved [illegible] Chief, Bridge Dept., Structure Div. 10-27-72

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
BOARD OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

LOCATED APPROX. 0.6 MI. N. OF THE LOS ANGELES CITY LIMITS AND APPROX. 1.0 MI. ALONG EXISTING RTE. 5 FROM A POINT WHERE EXISTING SIERRA HIGHWAY PASSED UNDER RTE 5 IN LOS ANGELES COUNTY

GENERAL PLAN

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53-1959-1	1	3

WO 287841
CU 07214

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY)

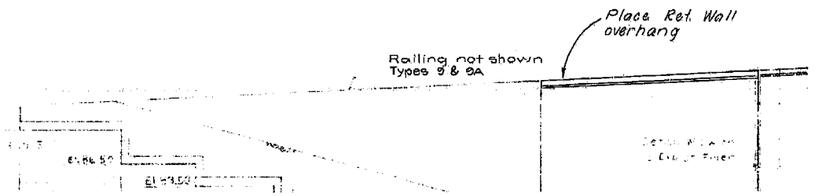
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

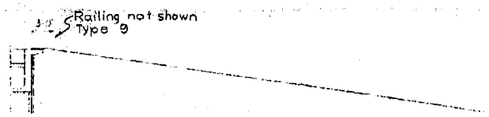
DATE 5-13-75 SIGNED Dick Hutchinson TITLE Supervising Engineer

ClibPDF - www.fastio.com

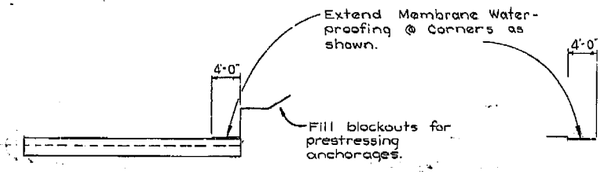
DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	L.A.	5,14	R44.6/R47.7, R49.6/R51.3	393	399

DATE APPROVED November 20, 1972



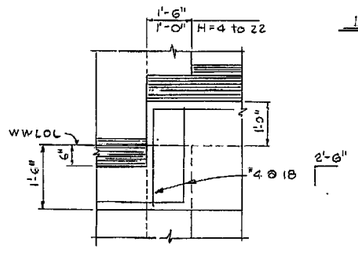


ELEVATION



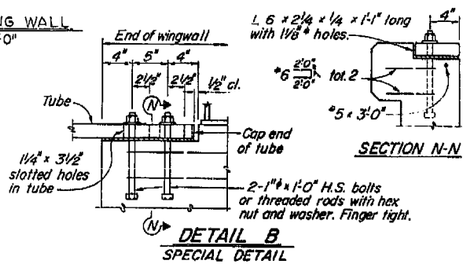
PLAN

1L RETAINING WALL
Scale 1/8"=1'-0"



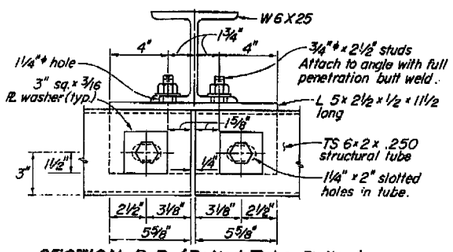
DETAIL A
Scale : 3/4"=1'-0"

Note : For details not shown see "Retaining Wall Details No. 1" and "Type 1 Retaining Wall (H 4'-30) & (H 32'-36') shts.
For section of Retaining wall overhang see "Retaining Walls - Abutment 2" sheet



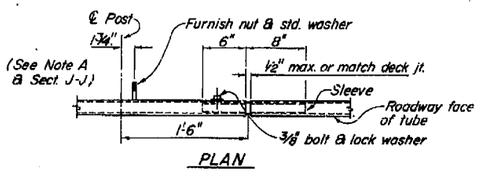
DETAIL B
SPECIAL DETAIL

SECTION N-N

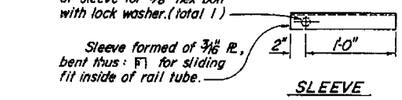


SECTION B-B (Bolted Tube Splice)
SPECIAL DETAIL

Note: These special details supersede "Detail B" and "Sect. B-B" Sheet No. B 11-37, page 114, of the Standard Plans dated Jan. 1971.



PLAN



SLEEVE

SPECIAL DETAILS

Note: These special details supersede portions of "Stud Bolt Details" (2 x 2 x ⅜ □ structural tube only), on Sheet No. B11-43, page 119 of the Standard Plans dated January 1971.

AS BUILT
CONSTRUCTED NO CHANGES
AS BUILT
CORRECTIONS BY W.S. Hahn
CONTRACT NO. 07-287844
DATE 3-25-75
CMIV 6/2/75

AS BUILT PLANS
Contract No. 07-287844
Date Completed
Document No. 7008 7157

393
398

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer U. Patel

DESIGN	by	Patel	
	Checked	A. Schwartz	1-16-1967
DETAILS	by	HO	
	Checked	A. Schwartz	
QUANTITIES	by	Allen Johnson	
	Checked	D. Eberle	

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

RETAINING WALLS - ABUTMENT 1

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7		2	3

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY)

WD
CU

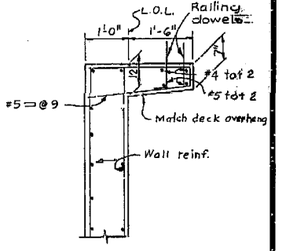
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 5-13-75 SIGNED Dick Mortensen TITLE Assistant Engineer

ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	L A	5,14	44.6/46.7, 11.2/12.2	394	399

A. P. Byrne — ENGR. 11-4
November 20, 1972

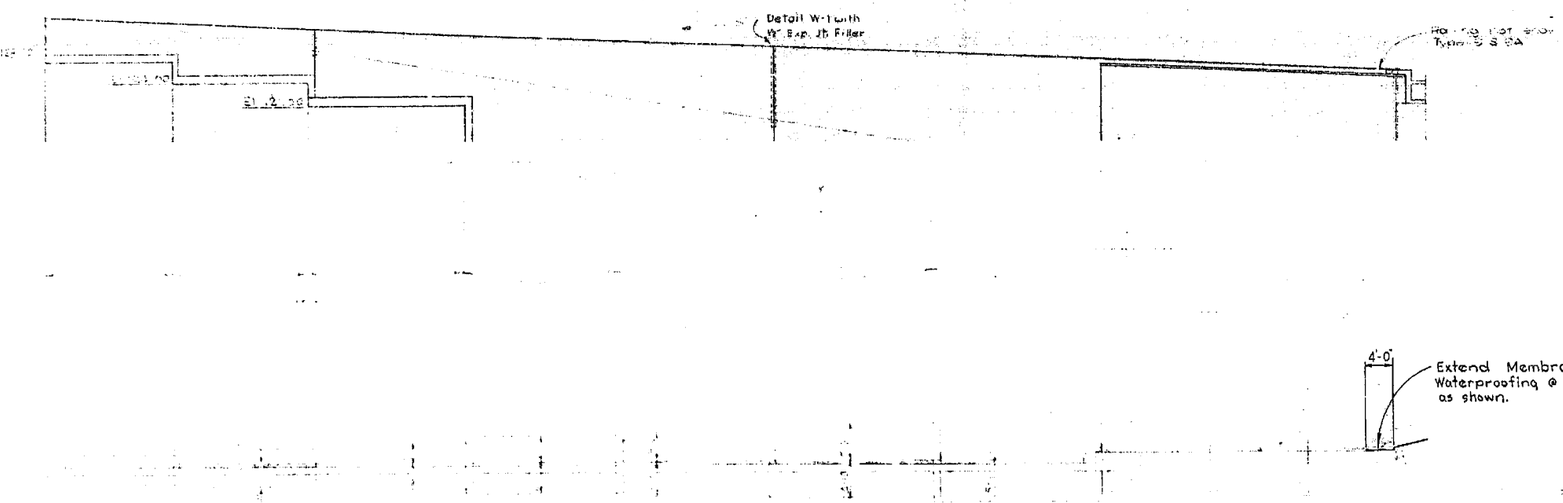


RET. WALL OVERHANG SECT.

Scale: None

AS BUILT

CORRECTIONS BY W.C. Hahn
CONTRACT NO. 07-287844
DATE 3-25-75
CMW 4-25-75



ELEVATION

PLAN

2 L RETAINING WALL
Scale ⅛"= 1'-0"

Detail W-1 ½" Exp. Jt. Filler see Br. 53-1964 for pay quantities.
Join "53-1964 "North Conn. O.C."

Note: For Detail A see "Retaining Walls-Abutment 1" sht.
For Details not shown see "Retaining Wall Details No. 1" and "Type 1 Retaining Wall (H4-30)" sheets.
Add 1500' to all elevations shown.

AS BUILT PLANS
Contract No. 07-287844
Date Completed
Document No. 70007157

394
391
710

WO
CU

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer O. Pender
DESIGN by W.C. Hahn
Checked A. Stoverman
DETAILS by [illegible] 12-14-67
Checked A. Stoverman
QUANTITIES by Ken Johnson
Checked D. Sturdivant

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

RETAINING WALLS-ABUTMENT 2

BRIDGE NO. 53-1959 | POST MILE 45.7 | DRAWING NO. | SHEET 3 | OF 3

REVISION DATES (PRELIMINARY STAGE ONLY)
7-5-73 | 7-24-73 | 3-4-74 | 11-5-74

Disregard prints bearing earlier revision dates →

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 5-13-75 DIVISION Dick Mindemann TITLE Deputy Director

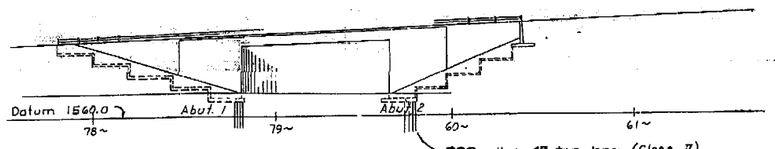
ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	434/476	700	736

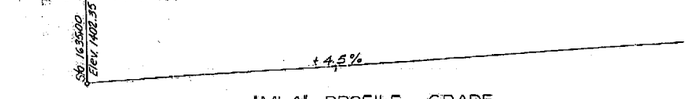
DESIGN DEPARTMENT APPROVED: [signature] STRUCTURES FIELD ENGINEER (OR BRIDGES ONLY)

DESIGN DEPARTMENT APPROVED: [signature] CHIEF, OFFICE OF STRUCTURE DESIGN (OR BRIDGES ONLY)

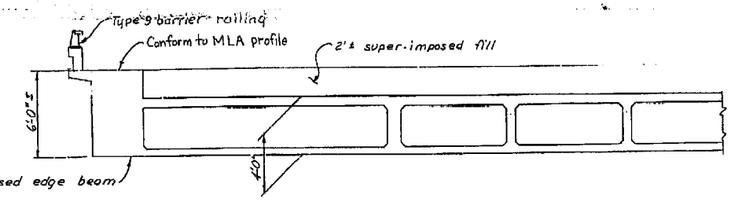
DATE APPROVED: November 18, 1968



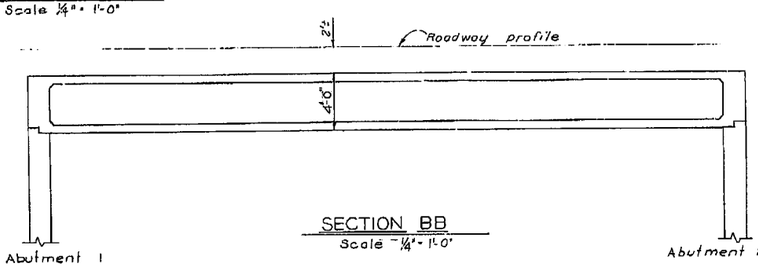
ELEVATION
Scale 1" = 30'-0"



"MLA" PROFILE GRADE
No Scale



SECTION A-A
Scale 1/4" = 1'-0"



SECTION BB
Scale 1/4" = 1'-0"

APPROXIMATE QUANTITIES

FURNISHING CONCRETE PILING (CLASS II)	850 LF ±
DRIVING CONCRETE PILES	39 EA ±
PRESTRESSING CIP CONCRETE	LUMP SUM
WATERSTOPS	760 LF ±
MEMBRANE WATERPROOFING	390 SY ±
CONTRAST TREATMENT	70 SY ±
BRIDGE APPROACH GUARD RAILING (TYPE 8)	117 LF
BARRIER RAILING (TYPE 9)	530 LF
PREPARING AND PAINTING CONCRETE	5,770 SY

FINAL QUANTITIES

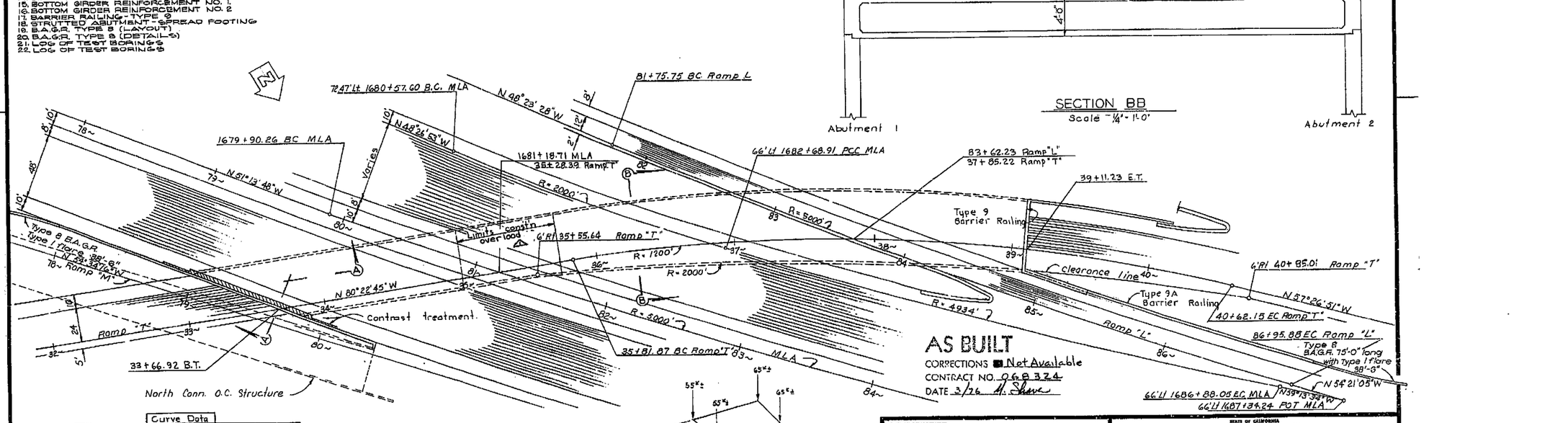
STRUCTURE EXCAVATION (BRIDGE)	6,430 CY ±
STRUCTURE BACKFILL (BRIDGE)	6,930 CY ±
PERVIOUS BACKFILL MATERIAL	1,130 CY ±
CLASS "A" CONCRETE (BRIDGE)	5,320 CY ±
CIP PRESTRESSED CONCRETE	120 CY ±
BAR REINFORCING STEEL (BRIDGE)	1,155,000 LBS ±

INDEX TO PLANS

1. GENERAL PLAN
2. GRID GRADES
3. FOUNDATION PLAN - 1
4. FOUNDATION PLAN - 2
5. ABUTMENT 1 ELEVATION
6. ABUTMENT 2 ELEVATION
7. ABUTMENT LAYOUT
8. ABUTMENT 1 COLUMN DETAILS
9. ABUTMENT 2 COLUMN DETAILS
10. RETAINING WALLS-ABUTMENT 1
11. RETAINING WALLS-ABUTMENT 2
12. PRESTRESSED EDGE BEAM DETAILS
13. TYPICAL SECTION
14. GIRDER LAYOUT
15. BOTTOM GIRDER REINFORCEMENT NO. 1
16. BOTTOM GIRDER REINFORCEMENT NO. 2
17. BARRIER RAILING-TYPE 9
18. STRUTTED ABUTMENT - SPREAD FOOTING
19. B.A.G.R. TYPE 8 (LAYOUT)
20. B.A.G.R. TYPE 8 (DETAILS)
21. LOG OF TEST BORINGS
22. LOG OF TEST BORINGS

STANDARD PLANS FEB. 1968

B7-1	BOX GIRDER DETAILS NO. 1
B11-48	BARRIER RAILING DETAILS - TYPE 9,10,11 & 12
B2-1	CONCRETE PILE DETAILS
B3-5	RETAINING WALL DETAILS NO. 1
B3-1	RETAINING WALL - TYPE 1 H=4'-30'
B3-2	RETAINING WALL - TYPE 1 H=32'-50'
A62-B2	EXCAVATION AND BACKFILL BRIDGES & WALLS - LIMITS OF PAYMENT



PLAN
Scale 1" = 30'-0"

CONST. LOADINGS

Curve Data	R	Δ	T	L
Ramp T	1200	22°55'54"	243.40	480.28
M L A	5000	07°59'46"	345.46	697.79±
Ramp L	5000	05°57'37"	260.30	520.13±
M L A	2000	05°58'30"	104.38	208.87

AS BUILT
CORRECTIONS ☒ Net Available
CONTRACT NO. 06 8324
DATE 3/76 M. Shaw

BRIDGE DEPARTMENT
··· DESIGN SECTION ··· 14

Section Supervisor: A.L. Bygrave			
Project Designer: D. Benedetto			
DESIGN	M.R. Gurley	Checked	A. Chrisman
DETAILS	M.E. Gurley	Checked	J. Hrenniam
LAYOUT	M.E. Gurley	Checked	A. Hrenniam
QUANTITIES	T.Y. Lollipis	Checked	L.M. TONG
SPECIFICATIONS	P.S.D. 7-6-9	Date and Check PSD	7-6-68
Approval Recommended by: M.O. Gentile		Approved Civil Engr. Bridges No.	7287

7-15-70	CONST. LOADINGS	HD	KG
MARK	DATE	DESCRIPTION	BY CHK

REVISIONS

FOR GENERAL NOTES SEE "Foundation Plan 1" sheet.

LIVE LOADING HS20-44 AND ALTERNATIVE

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

LOCATED APPROX. 0.6 MI. N. OF THE LOS ANGELES CITY LIMITS AND APPROX. 1.0 MI. ALONG EXISTING RTE. 5 FROM A POINT WHERE EXISTING SIERRA HIGHWAY PASSES UNDER RTE. 5 IN LOS ANGELES COUNTY

GENERAL PLAN

BENCH MARK NO. 53-1959 | POST MILE 45.7 | DRAWING NO. 531959-1 | SHEET 1-R1 | OF 22

REVISION DATES (PRELIMINARY STAGE ONLY)

WO 068321
CU 07214

Disregard prints bearing earlier revision dates →

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

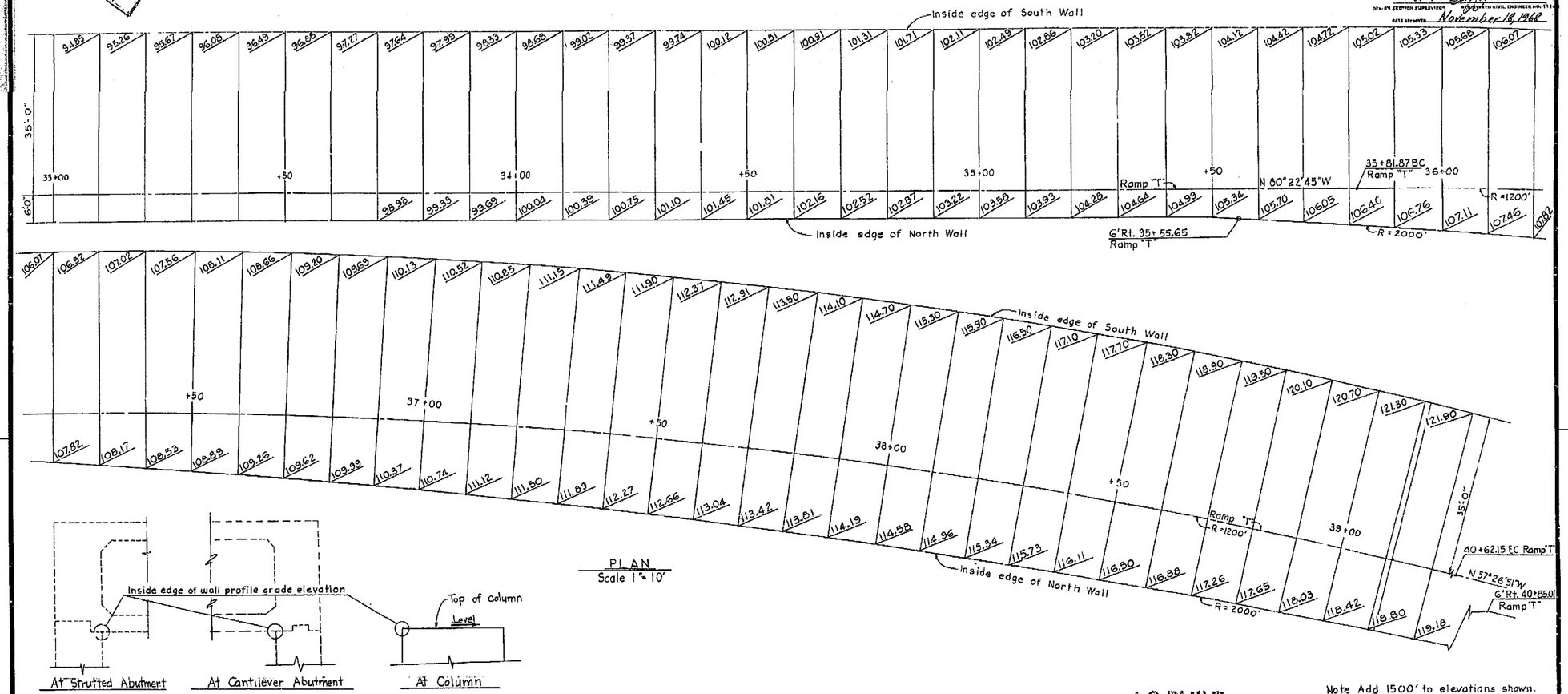
DATE 5/20/76 WRITTEN Rich N. Woodcock TITLE Microfilm Engineer

MICROFILMED

ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	701	736

A. P. Bonzone
DESIGN SECTION SUPERVISOR — REGISTERED CIVIL ENGINEER NO. 11...
DATE APPROVED November 18, 1968



AS BUILT
CORRECTIONS Not Available
CONTRACT NO. 068324
DATE 3/76 M. Shuve

Note Add 1500' to elevations shown. Profile grades are figured along Ramp "T" and projected radially at 10'-0" stations to inside edge of wall.

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer O. Bender
DESIGN By M. E. Cooley
Checked A. Stordemann
DETAILS By FD 12-27-66
Checked A. Stordemann
QUANTITIES By J. J. Gallegos
Checked LAI FONG

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

GRID GRADES

BRIDGE NO. 53-1959 | POST MILE 45.7 | DRAWING NO. 53 1959-2 | SHEET 2 OF 22

REVISION DATES (PRELIMINARY STAGE ONLY)

Disregard prints bearing earlier revision dates

WO
CU

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

701

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 3/30/76 | Signature | TITLE Microfilm Engineer

ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	L.A.	5	43.4/47.6	702	736

C. P. Engineer
CONSTRUCTION SUPERVISOR — REGISTERED CIVIL ENGINEER NO. 13244
DATE APPROVED: November 18, 1968

72.47' Lt. 1680+57.60 POC MLA
B.C. Ramp "J"
N 234,845.166
E 132,957.106

81+75.75 B.C. Ramp "L"
N 234,898.110
E 132,845.640

83+62.23 POC Ramp "L"
37+85.22 POC Ramp "T"
N 235,019.308
E 132,703.939

40+62.15 E.C. Ramp "T"
N 235,140.181
E 132,455.465

E.C. Clearance Line:
5' Rt 41+00 POT Ramp "T"
N 235,164.723
E 132,426.256

1675+90.26 B.C. MLA
N 234,990.463
E 133,054.496

35+81.87 B.C. Ramp "T"
N 234,968.538
E 132,900.599

66' Lt 1682+68.81 POC MLA
POC Ramp "J"
N 234,995.127
E 132,794.099

36+95.99 EC Ramp "L"
N 235,222.660
E 132,439.420

UTILITIES

PP# 898721E
4 Wires @ El. 1592 N
6 Wires @ El 1592 E
1 Guy Wire @ El 1592 E
① 1 Wire @ El 1592 W
2 Wires @ El 1600 W
2 Wires @ El 1602 N
2 Wires @ El 1604 E

PP# 898720E
1 Guy Wire @ El 1600 N
② 4 Wires @ El 1605 NE'S
2 Wires @ El 1615 NE'S

PP# 647233E
16 Wires @ El 1590 S
6 Wires @ El 1592 W
③ 1 Guy Wire @ El 1595 W
4 Wires @ El 1595 E
2 Wires @ El 1602 S
2 Wires @ El 1605 E&W

RAMP "L"
N 48°23'28" W
EXIST. WELDON RD (TO BE OBLITERATED)
RAMP "J" (FUTURE)
E.C. CLEARANCE LINE
for cont. of ret. wall see "Foundation Plan 2"
N 54°21'05" W
N 59°13'34" W
N 235,221.391
E 132,448.007
66' Lt. 1686+88.05 E.C. MLA
E.C. Ramp "J"
N 59°13'34" W
EXIST RTE. 5 (TO BE OBLITERATED)
MLA RTE. 5
N 51°13'48" W
E CONST
66' Rt. 1686+88.05 E.C. MLA
86+88.05 E.C. Ramp "M"
N 235,278.099
E 132,481.115
N 235,334.806
E 132,515.544
MLA 1686+88.05 E.C.
79+41.93 POT Ramp "M"
33+38.77 POT Ramp "T"
755' Rt 14+29+08.55 MLA Line
11' Retaining Wall Col.
RAMP "M"
N 54°34'16" W
EXIST. ON-RAMP (TO BE OBLITERATED)
E&L Ret. Wall Col.
TO LOS ANGELES
RAMP "T"
N 80°22'45" W
TO BAKERSFIELD
N 234,959.599
E 132,953.531
1681+13.71 POC MLA
35+28.39 POT Ramp "T"
N 234,966.469
E 132,942.720
B.C. Clearance Line
5' Rt 35+40 POT Ramp "T"
N 235,056.044
E 132,960.168
81+62.97 B.C. Ramp "M"
Median
6' Rt 33+80.76 Ramp "T"
18" C.M.P.
AB OP.
Shld
Elev.

Note: For Foundation details see "Abutment Layout", "Retaining Wall-Abut. 1", "Retaining Wall Abut. 2," "Abut 1 Col. Details" "Abut 2 Col. Details" sheets.
Shows bottom of ftg. elev.

Note: +Denotes Spot Elev.

General Notes

Design: A.A.S.H.O. dated 1965 with revisions and as supplemented by Bridge and Design manual.

Live loading: HS 20-44 and alternative.

Reinforced concrete: F_s = 20,000 P.S.I., N = 10
F_c = 1,200 P.S.I.

Footing Pressure: (Tons per S.F.) Allowable - 2.5 Design - 2.5

BENCH MARKS

B.M. # 2-F-40 Elev. 1593.29 (Adj.)
Bronze tablet in conc. mon. stamped "B.M. 2-F-40 137' left of sta. 37+20

B.M. # 3-F-40 Elev. 1644.95 (Adj.)
Bronze tablet in conc. mon. stamped "B.M. 3-F-40 85' left of sta. 44+95."

CURVE DATA

	R	Δ	T	L	Radius Point Coordinate North	Radius Point Coordinate East
A	4,600	06°41'08"	268.839	535.082	231,389.284	130,351.554
E	5,000	07°59'46"	349.463	697.792	230,932.133	129,923.513
C	1,200	22°55'54"	243.394	480.280	236,151.660	133,101.152
D	5,000	05°57'37"	260.301	520.132	231,159.635	129,525.129
E	2,000	05°58'30"	104.376	208.567	233,548.457	131,630.508
F	1,934	04°48'11"	202.928	403.613	230,932.132	129,923.519
G	2,000	15°53'58"	279.292	554.995	236,914.786	133,394.453

CONTOURS CHECKED & VERIFIED IN FIELD Date: 12-6-65 By: R.O. Will

AS BUILT
CORRECTIONS: Not Avail.
CONTRACT NO. 068324
DATE 3/76 M. Shaver

	DRAWN	CHECKED
DATE	12-1-65	12-6-65
BY	M.B. Mohr/REC	J.D. Juge

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer: O. Bender
DESIGN: by M.C. Butler; Checked A. Chrisman
DETAILS: by ; Checked A. Chrisman
QUANTITIES: by V.V. Sathyan; Checked LAI FONG

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

FOUNDATION PLAN 1

BRIDGE NO.	POST MILE	DRAWING NO.	SCALE	SHEET	OF
53-1959	45.7	53/1959-81	1"=30'	3	22

REVISION DATES (PRELIMINARY STAGE ONLY): 7/16/76 | 8/11/76 | 9/14/76

Disregard prints bearing earlier revision dates

E-53

WO
CU

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 8/30/76 SIGNATURE Kristin Meadows TITLE Microfilm Supervisor

ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4 / 47.6	103	726

STRUCTURE DESIGN SECTION — REGISTERED CIVIL ENGINEER — DATE APPROVED November 18, 1968

BC Clearance Line =
5' Rt. 35+40 BC Ramp "T"
N 234,966.469
E 132,942.720

16B1+18.71 POC M.L.A.
35+28.39 POT Ramp "T"
N 234,959.599
E 132,953.331

72.47' Lt 1680+57.60 POC M.L.A. = B.C. Ramp "U"
N 234,865.166
E 132,957.106

81+75.75 B.C. Ramp "L"
N 234,898.110
E 132,845.640

83+62.23 POC Ramp "L"
37+85.22 POC Ramp "T"
N 235,019.308
E 132,703.939

40+62.15 E.C. Ramp "T"
N 235,140.181
E 132,455.465

E.C. Clearance Line =
5' Rt 41+00 POT Ramp "T"
N 235,164.759
E 132,426.255

86+95.88 EC Ramp "L"
N 235,222.668
E 132,439.492

66' Lt 1687+34.21 POT M.L.A.
37+34.24 End Ramp "L"
End Ramp "U"
N 235,245.025
E 132,408.320

UTILITIES
PP# 898720 E
① 1 Guy Wire @ El 1600 N
4 Wires @ El 1605 N&S
2 Wires @ El 1615 N&S

PP# 898719 E
② 4 Wires @ 1631 N&S
1 Guy Wire @ El 1631.5
8 Wires @ El 1631 N
2 Wires @ El 1646 N&S

RAMP "T"
CLEARANCE LINE
RAMP "L"
RAMP "J" (FUTURE)
EXIST. WELDON RD. (TO BE OBLITERATED)
EXIST ON RAMP (TO BE OBLITERATED)
EXIST RTE. 5 (TO BE OBLITERATED)
MLA ℄ CONST. RTE. 5
1R Retaining Wall L.O.C. R=1235'
2R Retaining Wall L.O.C. R=4980.5'
TO LOS ANGELES
TO BAKERSFIELD
Median
Elect.
Shld.
18" CMP
N 48°23'28" W
N 48°26'53" W
N 51°13'48" W
N 80°22'45" W
N 57°26'51" W
N 59°13'34" W
N 54°21'05" W

N 234,880.463
E 133,054.496
1679+90.26 B.C. M.L.A.

N 234,968.538
E 132,900.599
35+81.87 B.C. Ramp "T"

N 234,995.127
E 132,794.099
66' Lt 1682+68.91 POC M.L.A.
P.C.C. Ramp "U"

N 235,278.099
E 132,491.775
1686+39.05 EC M.L.A.

N 235,221.391
E 132,449.007
65' Lt 1686+89.05 EC M.L.A. = EC Ramp "U"

AS BUILT
CORRECTIONS ☒ Not Available
CONTRACT NO. 08-8324
DATE 3/76 M. Shaver

BENCH MARKS

BM # 2-F-40 Elev 1593.29 (Adj.)
Bronze Tablet in conc. mon. stamped "B.M. 2-F-40" 137' left of sta. 37+20

BM # 3-F-40 Elev 1644.95 (Adj.)
Bronze tablet in conc. mon. stamped "B.M. 3-F-40 85' left of sta. 44+95

	R	Δ	T	L	Radius Point Coordinate North	Radius Point Coordinate East
A	5,000	07°39'16"	349.463	697.192	230,982.133	129,923.518
B	1,200	22°55'54"	243.398	480.280	236,151.660	133,101.152
C	5,000	05°57'37"	260.301	520.132	231,159.655	129,525.429
D	2,000	05°58'30"	104.378	208.561	233,369.457	131,630.503
E	4,934	04°48'11"	206.928	413.615	230,982.133	129,923.518
F	2,000	15°53'58"	279.292	554.995	236,914.786	133,394.453

Note
+ Denotes Spot Elev.
For Abut 2 elevations & 1R Retaining Wall elevations see "Foundation Plan 1" Sht.
Indicates bottom of footing elevation

CONTOURS CHECKED & VERIFIED IN FIELD
Date: 11-4-65
By: H. O. Will

	DRAWN	CHECKED
DATE	12-3-65	12-6-65
BY	H.R.Mangelsen	J. D. Juge

BRIDGE DEPARTMENT
DESIGN SECTION 14

Project Engineer	O. Bendel	
DESIGN	By	Mike Pavelka
	Checked	A. Stavenhagen
DETAILS	By	
	Checked	H. Schermann
QUANTITIES	By	H. Y. Ballapa
	Checked	H. Lai & T. Fong

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

FOUNDATION PLAN 2

BRIDGE NO.	POST MILE	DRAWING NO.	SCALE	SHEET	OF
53-1959	45.7	53 1059-9	1:30	4	22

REVISION DATES (PRELIMINARY ISSUE ONLY)

WO

Disregard prints bearing earlier revision dates

E-53

AS BUILT PLANS
Contract No. 08-068324
Date Completed
Document No. 70007347

103

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

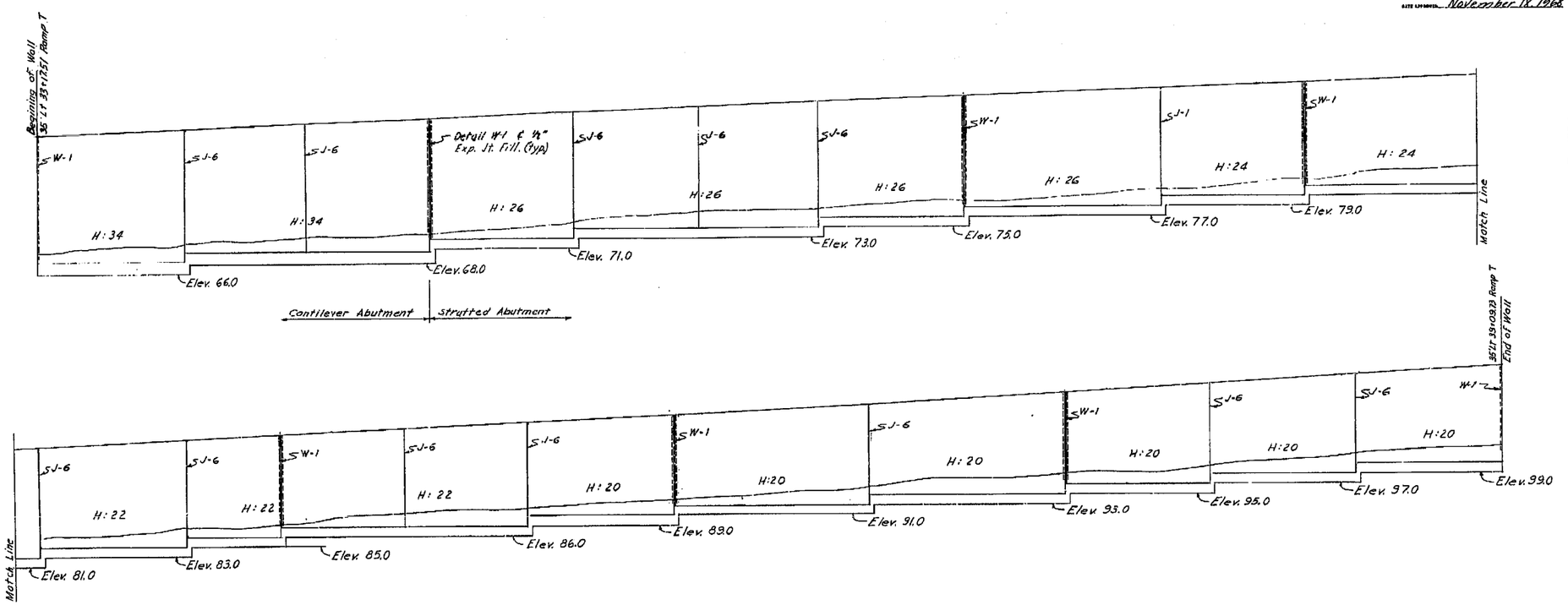
DATE 3/30/76 PRINTED Victor Meadows TITLE Microfilm Supervisor

CADPDF - www.Lastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	43.4/47.6	704	736

DESIGN & CONSTRUCTION SUPERVISOR — REGISTERED CIVIL ENGINEER

DATE APPROVED November 18, 1968



Note: For Details not shown see "Abutment Layout and "Strutted Abutment-Spread Footing" sheets.
Add 1500' to elevations shown.
For Detail J-6 see "Retaining Wall Details No 1" sh.
The drains are located at each W-1 & J-6 Joint.
For Cantilever Abutment Section see "Abutment 1 Col. Details" sheet
The cantilever abutment to be backfilled before the box girder section is formed.

AS BUILT
CORRECTIONS ☒ Not Available
CONTRACT NO. 068324
DATE 3/76 H. Lawson

MICROFILMED

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

704

WO
CU

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer O Benton
DESIGN by Mgr. Gourley
Checked A. Strachan
DETAILS by HD
Checked R. Kingman
QUANTITIES by V V Sallyn
Checked LM FONG

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

ABUTMENT 1 ELEVATION

BRIDGE NO. 53-1959 | POST MILE 45.7 | DRAWING NO. 53 1959-4 | SHEET 5 | OF 22

REVISION DATES (PRELIMINARY STAGE ONLY)
11/15/67 12/5/67 2/1/68

Disregard prints bearing earlier revision dates →

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

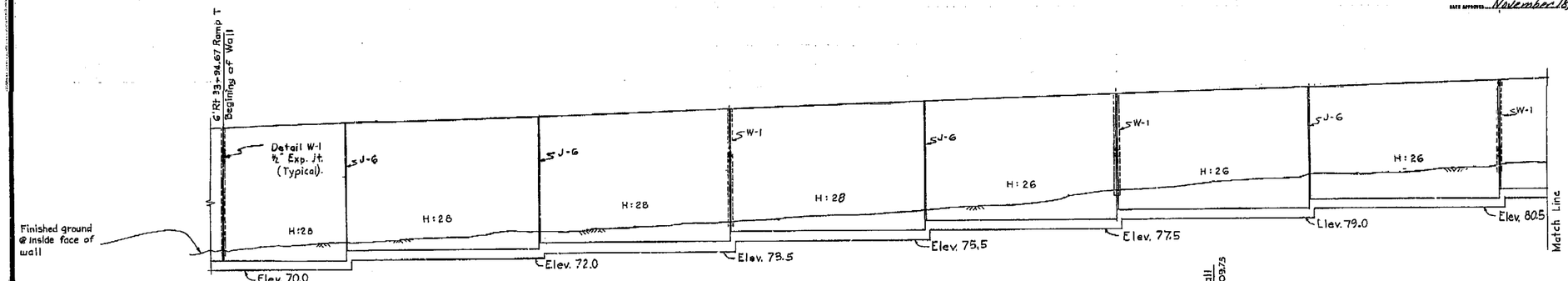
DATE 5/20/76 FROM/SEAL Keith Anderson TITLE Meredith Supervisor

ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	705	736

DISTRICT BRIDGE ENGINEER — REGISTERED CIVIL ENGINEER NO. 11114

DATE APPROVED November 18, 1968



ELEVATION
Scale: 1"=10'

Note: For Details not shown see "Abutment Layout" and "Strutted Abutment - Spread Footing" sheet.
Add 1500' to elevations shown.
For Detail J-6 see "Retaining Wall Details No 1" sheet.
The drains are located at each W-1 & J-6 Joint.

AS BUILT
CORRECTIONS ■ Not Available
CONTRACT NO. 068324
DATE 3/76 M. Shaver

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

MICROFILMED
MAR 3 1976

705

BRIDGE DEPARTMENT DESIGN SECTION 14		
Project Engineer	O. Berdin	
DESIGN	By M.E. Gourley	Checked A. Shoreman
DETAILS	By LD 12-28-66	Checked A. Shoreman
QUANTITIES	By V.V. Sellers	Checked CALFORMS

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

ABUTMENT 2 ELEVATION

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53 1959-6	6	22

REVISION DATES (PRELIMINARY STAGE ONLY)
Request prints bearing earlier revision dates →

WO
CU

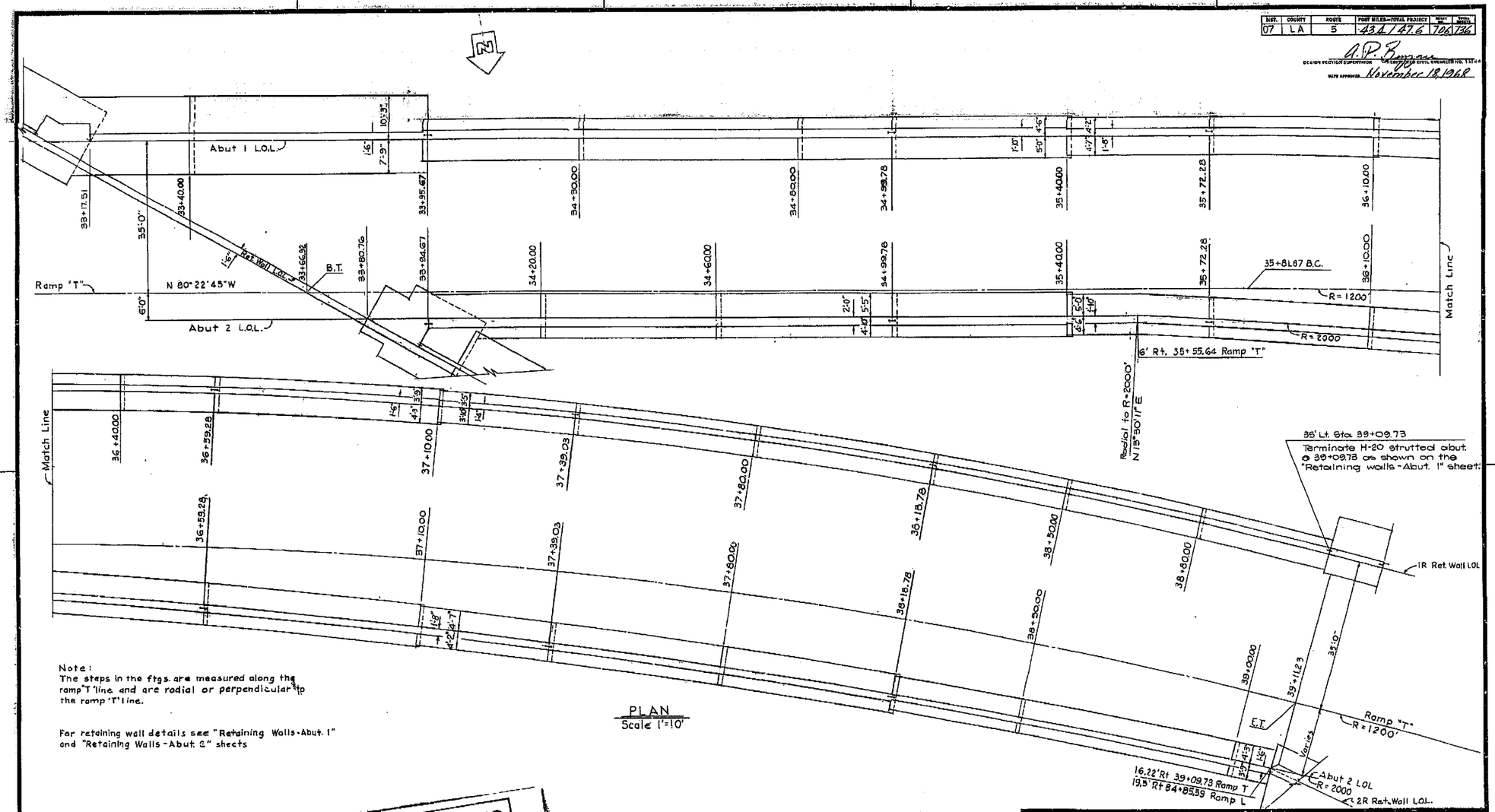
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 9/20/76 SIGNATURE Wm. Woodson TITLE Microfilm Supervisor

ClubPDF - www.clubpdf.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4 / 47.6	706	736

A. P. Bryan
DESIGN SECTION SUPERVISOR — REGISTERED CIVIL ENGINEER NO. 1 ...
DATE APPROVED November 18, 1968



Note:
The steps in the ftgs. are measured along the ramp "T" line and are radial or perpendicular to the ramp "T" line.

For retaining wall details see "Retaining Walls - Abut. 1" and "Retaining Walls - Abut. 2" sheets

PLAN
Scale 1"=10'

MICROFILMED
MAR 30 1976

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

AS BUILT
CORRECTIONS Not Avail.
CONTRACT NO. 068324
DATE 3/76 M. Shaw

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer O. Bender
DESIGN By M.E. Cowley
Checked A. Schoenmann
DETAILS By HD 1-10-67
Checked A. Schoenmann
QUANTITIES By J.J. Goldberg
Checked LAI FONG

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

ABUTMENT LAYOUT

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53 1959-5	7	22

Disregard prints bearing earlier revision dates →

REVISION DATES (PRELIMINARY STAGE ONLY)

WO
CU

706

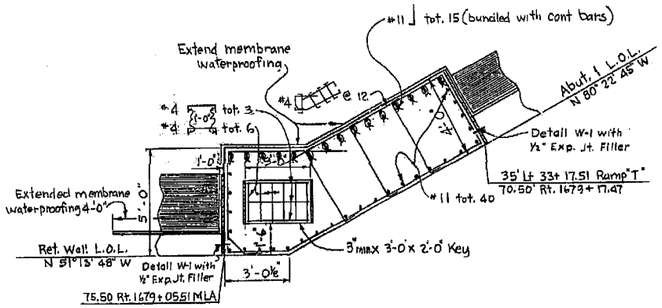
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 3/30/76 REGISTERED Nicholas Vlasdaw TITLE Microfilm Supervisor

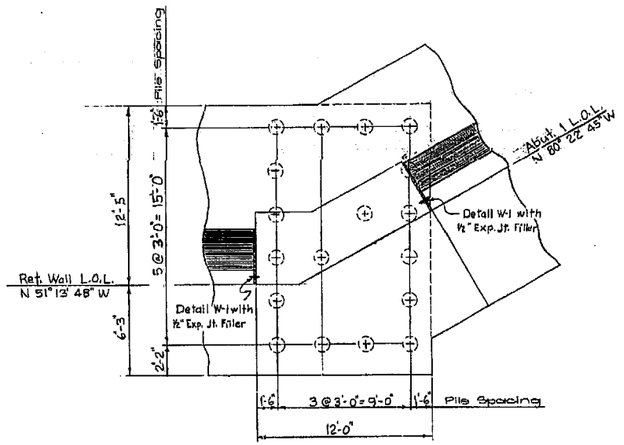
ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	707	736

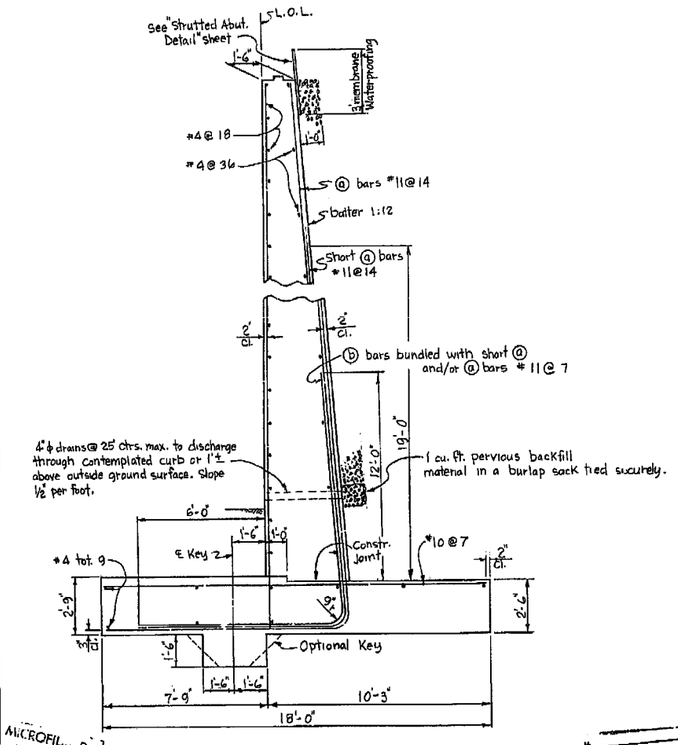
O. P. Bender
DESIGN SECTION SUPERVISOR — REGISTERED CIVIL ENGINEER NO. 11146
DATE APPROVED November 18, 1968



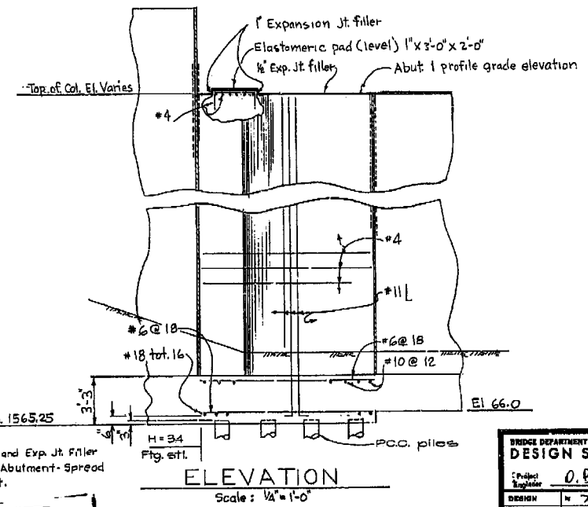
COLUMN PLAN
Scale: 3/8" = 1'-0"



FOOTING PLAN
Scale: 1/4" = 1'-0"



CANTILEVER ABUTMENT SECT.
Scale: 1/8" = 1'-0"



ELEVATION
Scale: 1/4" = 1'-0"

Note: For detail W-1 and Exp. Jt. Filler see "Strutted Abutment-Spread Footing" sheet.

AS BUILT
CORRECTIONS ■ Not Available
CONTRACT NO. 068324
DATE 3/76 M. Shaver

BRIDGE DEPARTMENT
DESIGN SECTION 14

Project Engineer	O. Bender	
DESIGN	by TYE Conley	Checked J. Stevenson
DETAILS	by LAI FONG 11/67	Checked A. Stevenson
QUANTITIES	by V.V. Sadhyani	Checked LAI FONG

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

ABUTMENT 1 COLUMN DETAILS

BRIDGE NO. 53-1959 | POST MILE 45.7 | DRAWING NO. 53 1959-10 | SHEET 8 | OF 22

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY)
10/30 | 11/14/68

MICROFILMED MAR 3 0 1976

707

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

WO
CU

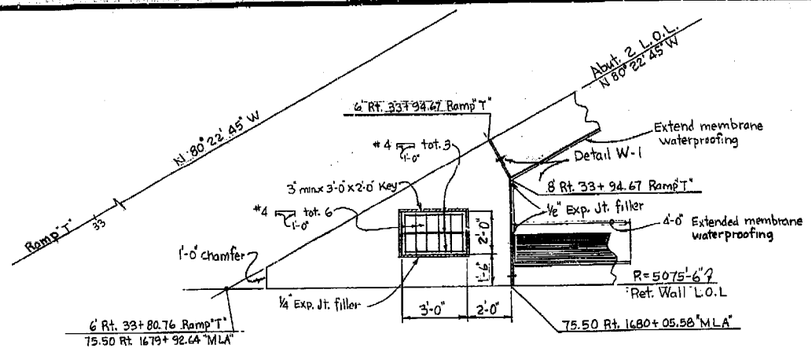
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
DATE 9/30/76 SIGNATURE [illegible] TITLE Microfilm Supervisor

CutePDF - www.fastio.com

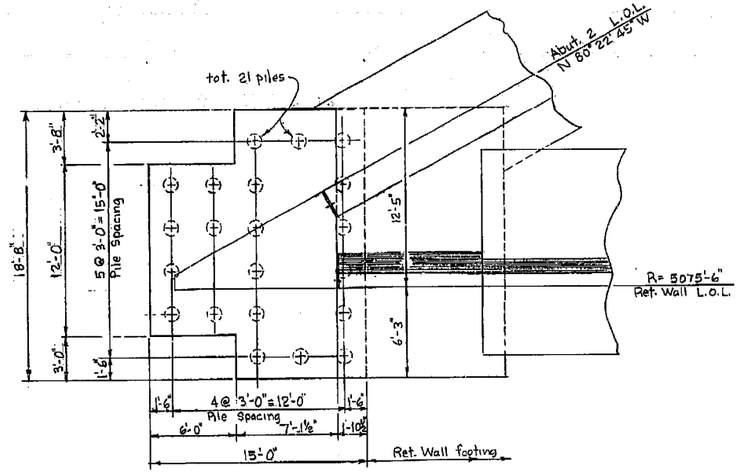
DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.2/47.6	708	720

DESIGN SECTION SUPERVISOR A. P. Bonner REGISTERED CIVIL ENGINEER NO. 11164

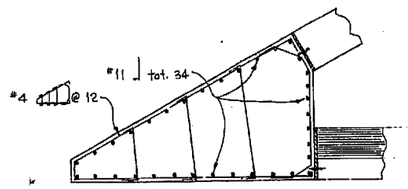
DATE APPROVED November 18, 1968



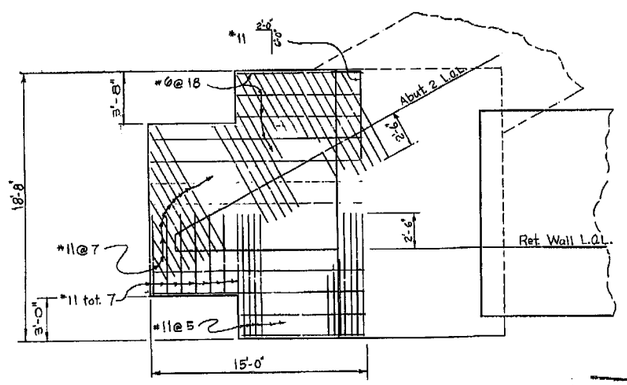
COLUMN PLAN
Scale: ⅜"=1'-0"



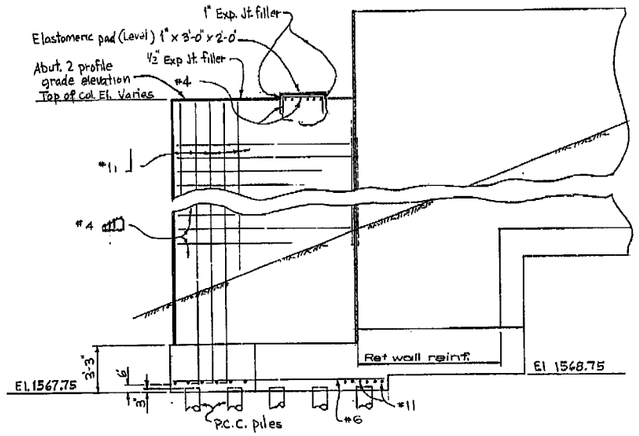
FOOTING PLAN
Scale: ⅛"=1'-0"



COLUMN REINF.
Scale: ⅜"=1'-0"



FOOTING REINF.
Scale: ¼"=1'-0"



ELEVATION
Scale: ⅛"=1'-0"

Note:
For detail W-1 see "Retaining Wall Details No. 1" sht.

AS BUILT
CORRECTIONS ■ Not Available
CONTRACT NO. 07-068324
DATE 3/26 M. Shaw

MICROFILMED
MAR 31 1976

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

708

BRIDGE DEPARTMENT		
DESIGN SECTION 14		
Project Engineer	O. Berdov	
DESIGN	By	7/76 Gourley
	Checked	A. Stevens
DETAILS	By	LAI FONG 11/67
	Checked	A. Stevens
QUANTITIES	By	H.Y. Sallipi
	Checked	LAI FONG

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

ABUTMENT 2 COLUMN DETAILS

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53 1959-11	9	22

WO
CU

Disregard prints bearing earlier revision dates →

REVISION DATES (PRELIMINARY STAGE ONLY)

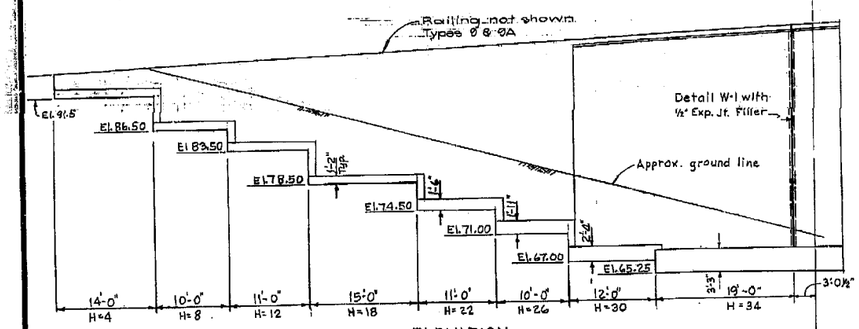
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 3/30/76 POSITION Deputy Secretary TITLE Micrographic Supervisor

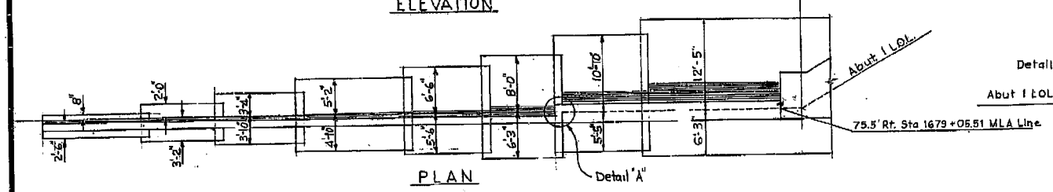
ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	709	726

A. P. Bergen
CHIEF, BRIDGE SECTION (OR DESIGNEE) — CALIFORNIA REGISTRATION NO. 1173
DATE APPROVED November 18, 1968

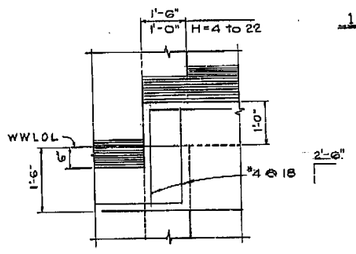


ELEVATION



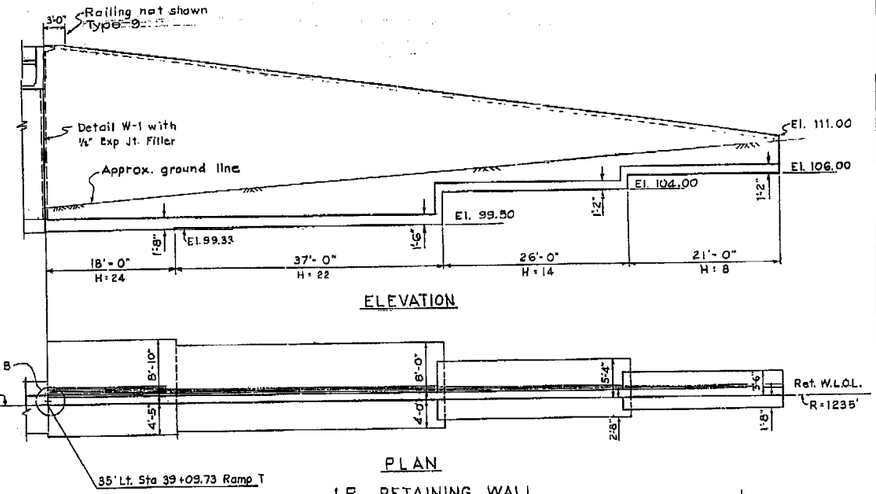
PLAN

1L RETAINING WALL
Scale 1/8" = 1'-0"

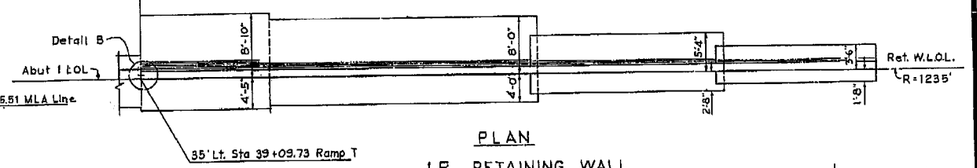


DETAIL A
Scale : 3/4" = 1'-0"

Note : For details not shown see "Retaining Wall Details No. 1" and "Type 1 Retaining Wall (H=4-30) & (H: 32'-36') shts.
Add 1500' to all elevations shown. For section of Retaining wall overhang see "Retaining Walls - Abutment 2" sheet

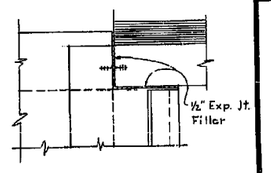


ELEVATION



PLAN

1R RETAINING WALL
Scale : 1/8" = 1'-0"



DETAIL B
Scale : None

AS BUILT
CORRECTIONS ■ Not Available
CONTRACT NO. 068324
DATE 3/76 M. Shaw

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

MICROFILMED MAR

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer O. Bender
DESIGN by M. E. Cowley
DETAILS by I-D checked M. Shaw 1-16-1967
QUANTITIES by Y. Y. Lo checked KAI FONG

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

RETAINING WALLS - ABUTMENT 1

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53 1959-7	10	22

Enlarged plans showing earlier revision dates ——→ REVISION DATES (PRELIMINARY STAGE ONLY)

WO
CU

709

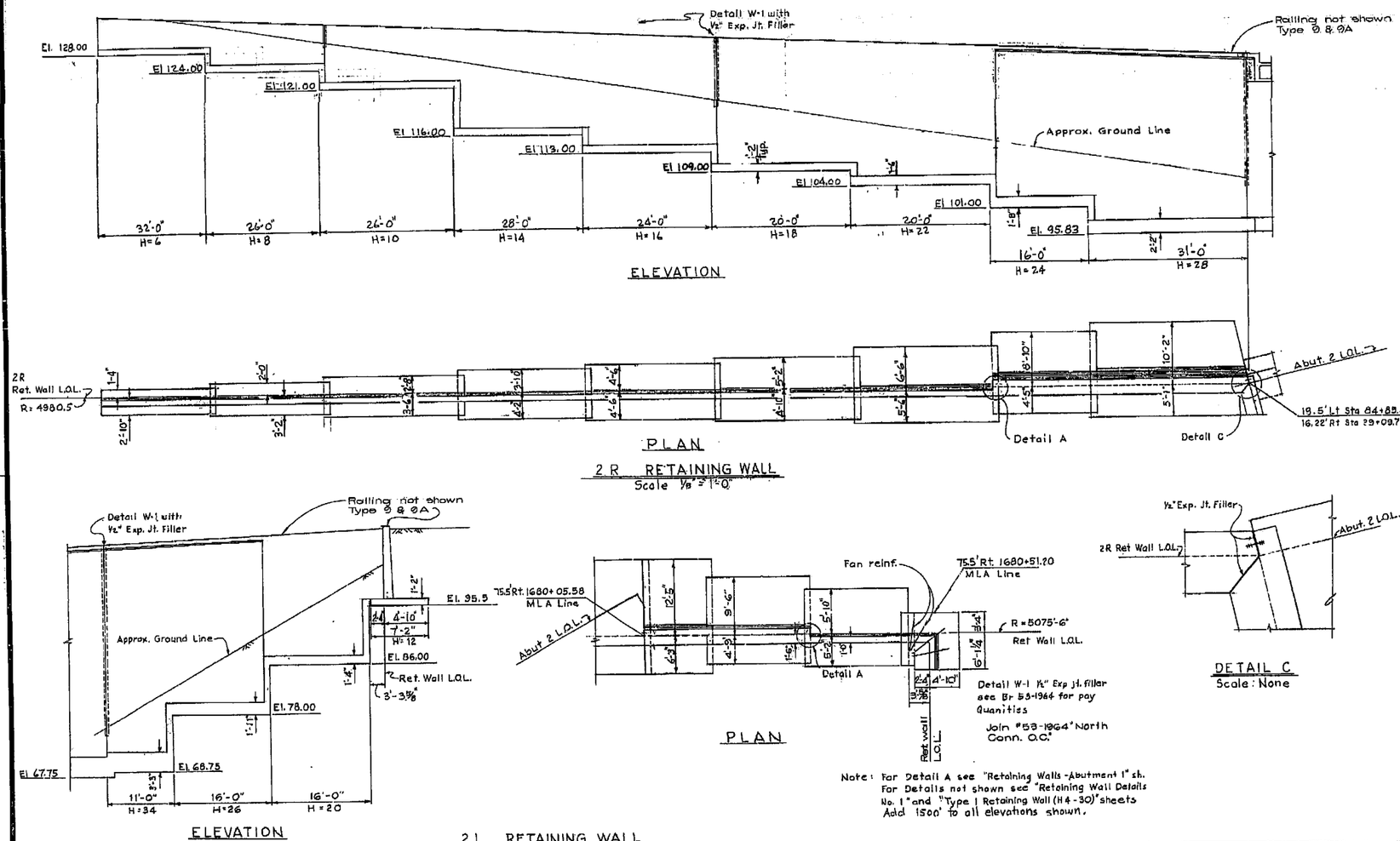
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
DATE 8/30/76 SIGNATURE Victor Pendleton TITLE Micrographic Supervisor

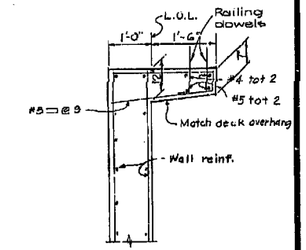
ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4 / 47.6	710	736

DESIGN SECTION, SUPERVISOR: A.P. Bergen — REGISTERED CIVIL ENGINEER NO. 11114

DATE APPROVED: November 18, 1968





RET. WALL OVERHANG SECT.
Scale: None

DETAIL C
Scale: None

Note: For Detail A see "Retaining Walls-Abutment 1" sh. For Details not shown see "Retaining Wall Details No. 1" and "Type 1 Retaining Wall (H4-30)" sheets Add 1500' to all elevations shown.

AS BUILT
CORRECTIONS Not Available
CONTRACT NO. 068324
DATE 3/76 M. Shaver

MICROFILMED

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer: D. Bender
DESIGN: by McCauley
Checked: A. Stoneman
DETAILS: by 12-14-67
Checked: A. Stoneman
QUANTITIES: by YY Gallegos
Checked: LAI FONG

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

RETAINING WALLS-ABUTMENT 2

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	531959-12	11	22

Disregard prints bearing earlier revision dates

WO
CU

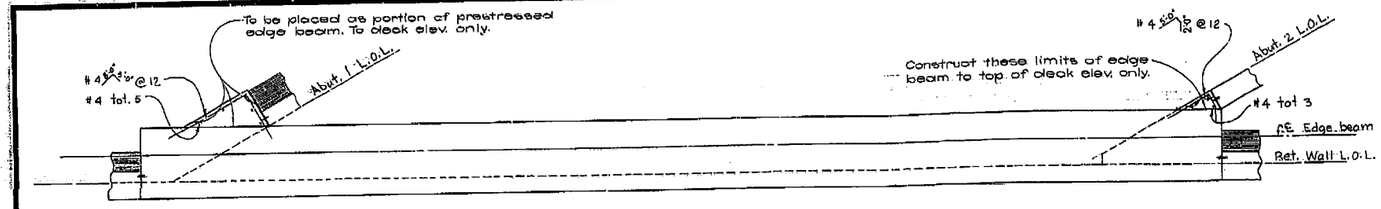
710

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

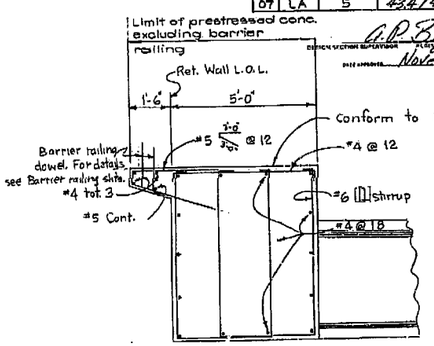
DATE 3/30/76 — SIGNATURE Dick N. Meadows — TITLE Microfilm Supervisor

ClibPDF - www.fastio.com

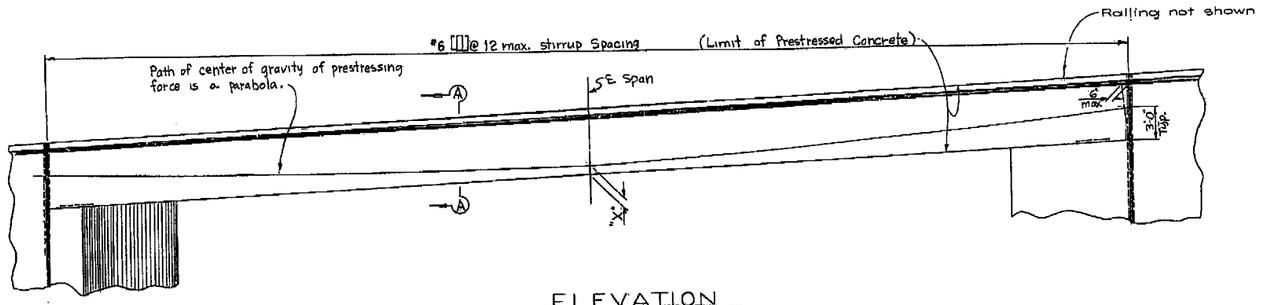
DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	711	736



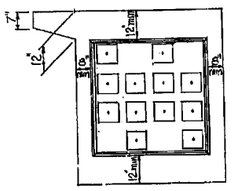
PLAN
Scale: 3/16"=1'-0"



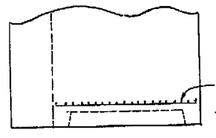
SECTION A-A
Scale: 1/2"=1'-0"



ELEVATION
Scale: 3/16"=1'-0"



ELEVATION



PLAN

END ANCHORAGE DETAIL
Scale: 1/2"=1'-0"

Note:
Deflection due to dead loads & prestress force equal zero.

Prestressing Notes

Total working force @ ℄ Span: X=5" 3,388,000 lbs.
X=6" 3,475,000 lbs.

Concrete: f'_c = 4000 P.S.I.
f_{c_i} = 4000 P.S.I.

Clearance:
1. Horizontal clearance between units - 2½" min.
2. Units may be bundled vertically in groups of 3 max.
3. Vertical clearance between bundled units = 3" min.

General:
1. Contractor to submit elongation & jacking calculations.
2. During stressing operations, the elongation shall be continuously compared with gage pressure to check against duct blockage & excessive friction.

AS BUILT
CORRECTIONS ■ Not Avail.
CONTRACT NO. 07-068324
DATE 3/76 M. Shaw

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

BRIDGE DEPARTMENT
DESIGN SECTION 14
O. Bender
DESIGN by Mgr. Conley
Checked A. Stern Jr.
DETAILS by LAI FONG
Checked A. Stern Jr.
QUANTITIES by V.V. Sellappa
Checked by LAI FONG

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

PRESTRESSED EDGE BEAM DETAILS

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53 1959-13	12	22

REVISION DATES (PRELIMINARY STAGE ONLY)
Disregard prints bearing earlier revision dates →

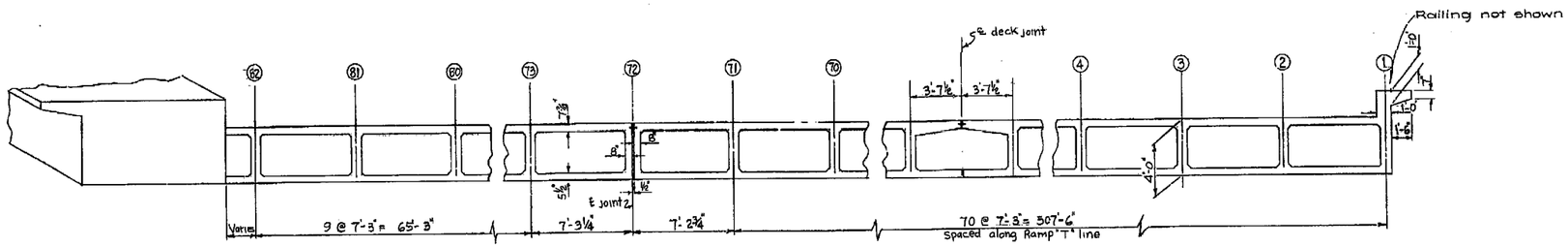
WO
CU

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
DATE 5/30/16 EXECUTED Debbie Meadows TITLE Microfilm Supervisor

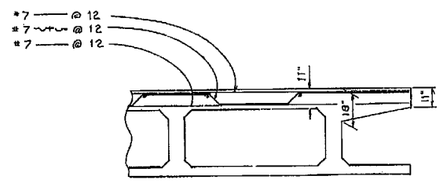
CutePDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	Sheet No.	Total Sheets
07	LA	5	43.4/47.6	117	736

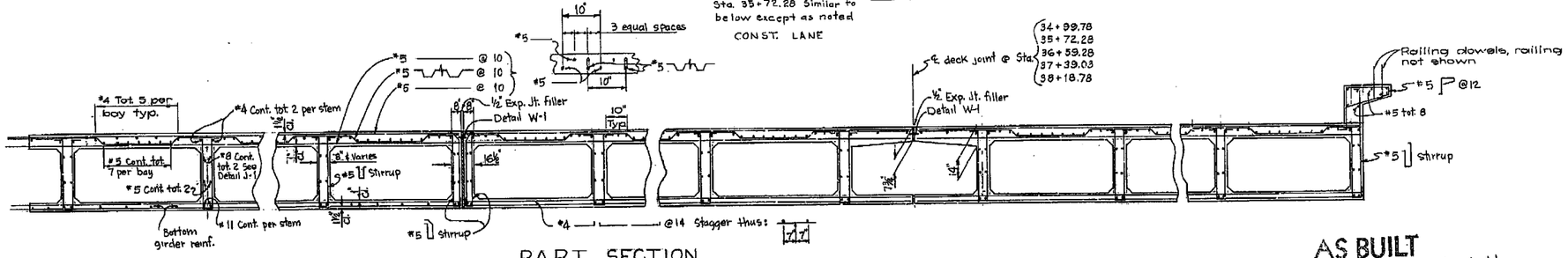
APB
DIVISION SECTION SUPERVISOR — STRUCTURES DESIGN (BRIDGE) DEPARTMENT
DATE APPROVED November 18, 1968



TYPICAL SECTION
Scale: 3/16"=1'-0"



From Sta 34+99.78 to Sta. 35+72.28 Similar to below except as noted
CONST. LANE



PART SECTION
3/8"=1'-0"

Note:
For detail W-1 see "Box Girder Details No 1" sht.
Extend all transverse & longitudinal bars 2'-0" into edge beam unless noted otherwise.

AS BUILT
CORRECTIONS Not Available
CONTRACT NO. 068324
DATE 3/76 H. Shaver

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

MICROFILMED
MAR 1 1976

MARK	DATE	REVISIONS	BY	CHK
1	7-17-70	CONST. LANE	HD	

WO
CU

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer O. Bendiksen
DESIGN by M.C. Gourley
Checked by A. Stoneburner
DETAILS by Al Fong 12/67
Checked by A. Stoneburner
QUANTITIES by H.K. Gillespie
Checked by Al Fong

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING
TYPICAL SECTION

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53 1956-1/4	13RI	22

Dashed print bearing outlier revision dates →
REVISION DATES: 7/70 8/76

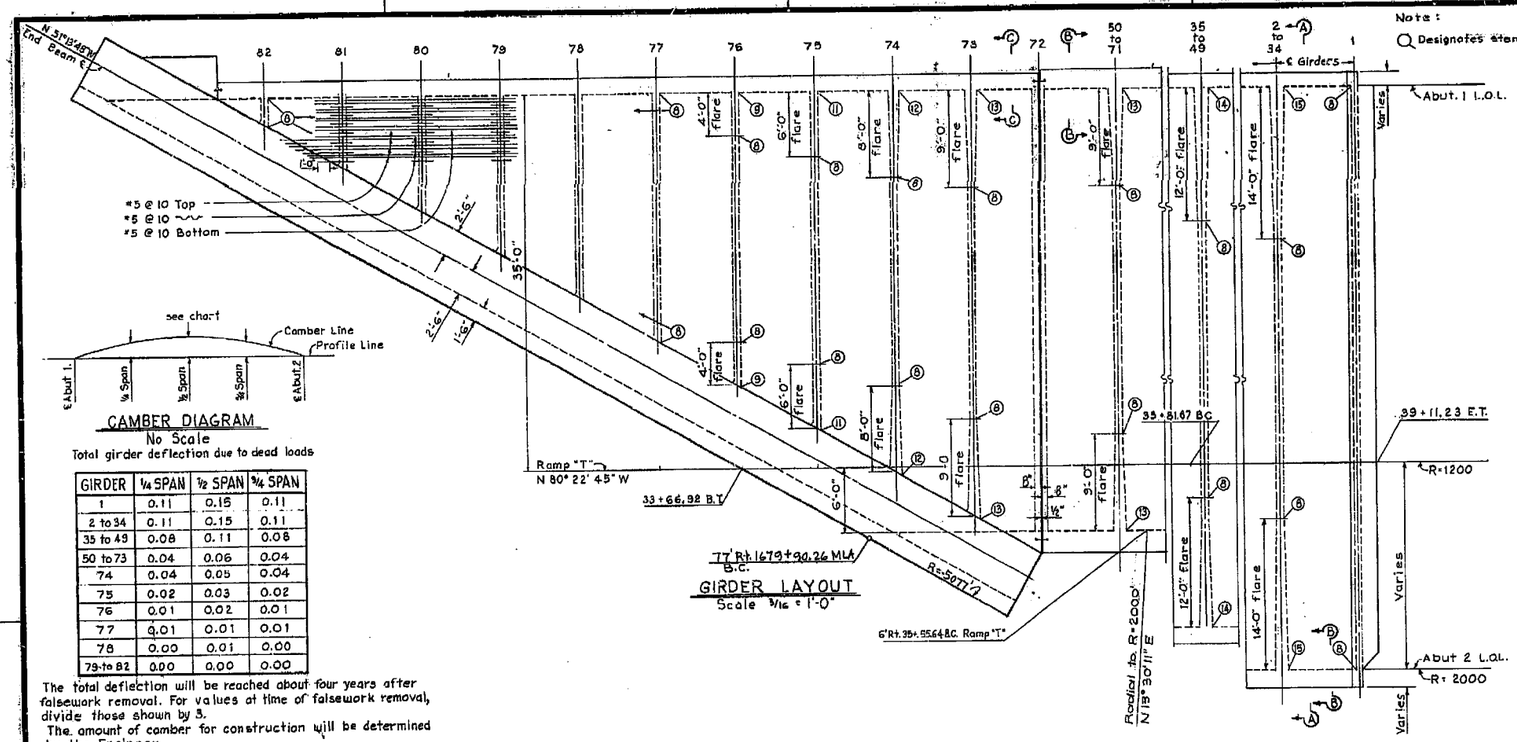
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
DATE 9/30/76 SIGNATURE Virginia Meadows TITLE Microfilm Supervisor

ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	713	726

A. P. Bonner
BRIDGE SECTION SUPERVISOR — REGISTERED CIVIL ENGINEER NO. 11144
DATE APPROVED November 18, 1966

Note :
Q Designates stem width in inches



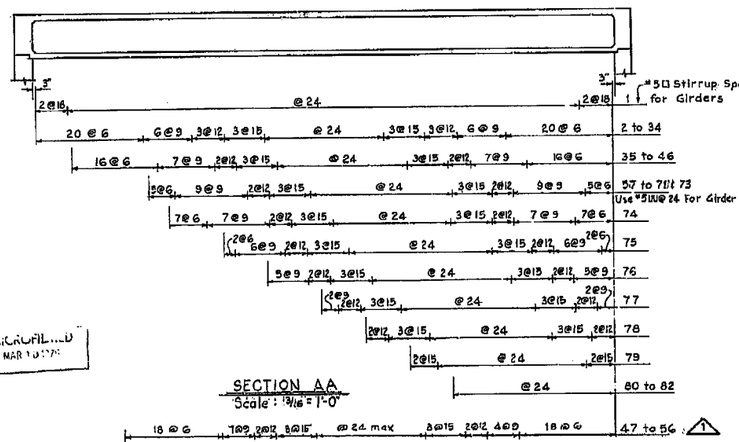
see chart

CAMBER DIAGRAM
No Scale
Total girder deflection due to dead loads

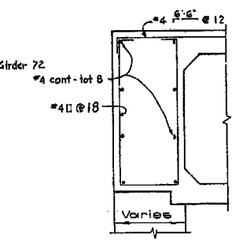
GIRDER	¼ SPAN	½ SPAN	¾ SPAN
1	0.11	0.15	0.11
2 to 34	0.11	0.15	0.11
35 to 49	0.08	0.11	0.08
50 to 73	0.04	0.06	0.04
74	0.04	0.05	0.04
75	0.02	0.03	0.02
76	0.01	0.02	0.01
77	0.01	0.01	0.01
78	0.00	0.01	0.00
79 to 82	0.00	0.00	0.00

The total deflection will be reached about four years after falsework removal. For values at time of falsework removal, divide those shown by 3.
The amount of camber for construction will be determined by the Engineer.

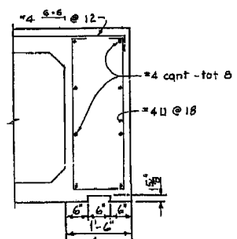
GIRDER LAYOUT
Scale 3/16 = 1'-0"



SECTION AA
Scale : 3/16 = 1'-0"



SECTION B-B
Scale 3/4" = 1'-0"



SECTION C-C
Scale 3/4" = 1'-0"

AS BUILT
CORRECTIONS ■ Not Available
CONTRACT NO. 068324
DATE 3/76 H. Shaw

MARK	DATE	DESCRIPTION	BY	CHK
1	7-17-70	Stirrup changes	HD	AL

REVISIONS

BRIDGE DEPARTMENT
DESIGN SECTION 14
Project Engineer O Bender
DESIGN by Mc Cauley
Checked A. Strickland
DETAILS by HD 5-7-67
Checked A. Strickland
QUANTITIES by YY Ballesteros
Checked LA1 FONG

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

GIRDER LAYOUT

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53 1959-3	14-R	212

Disregard prints bearing earlier revision dates →
REVISION DATES (PRELIMINARY STAGE ONLY)
7-17-70

MICROFILMED MAR 10 1976

713

WO
CU

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

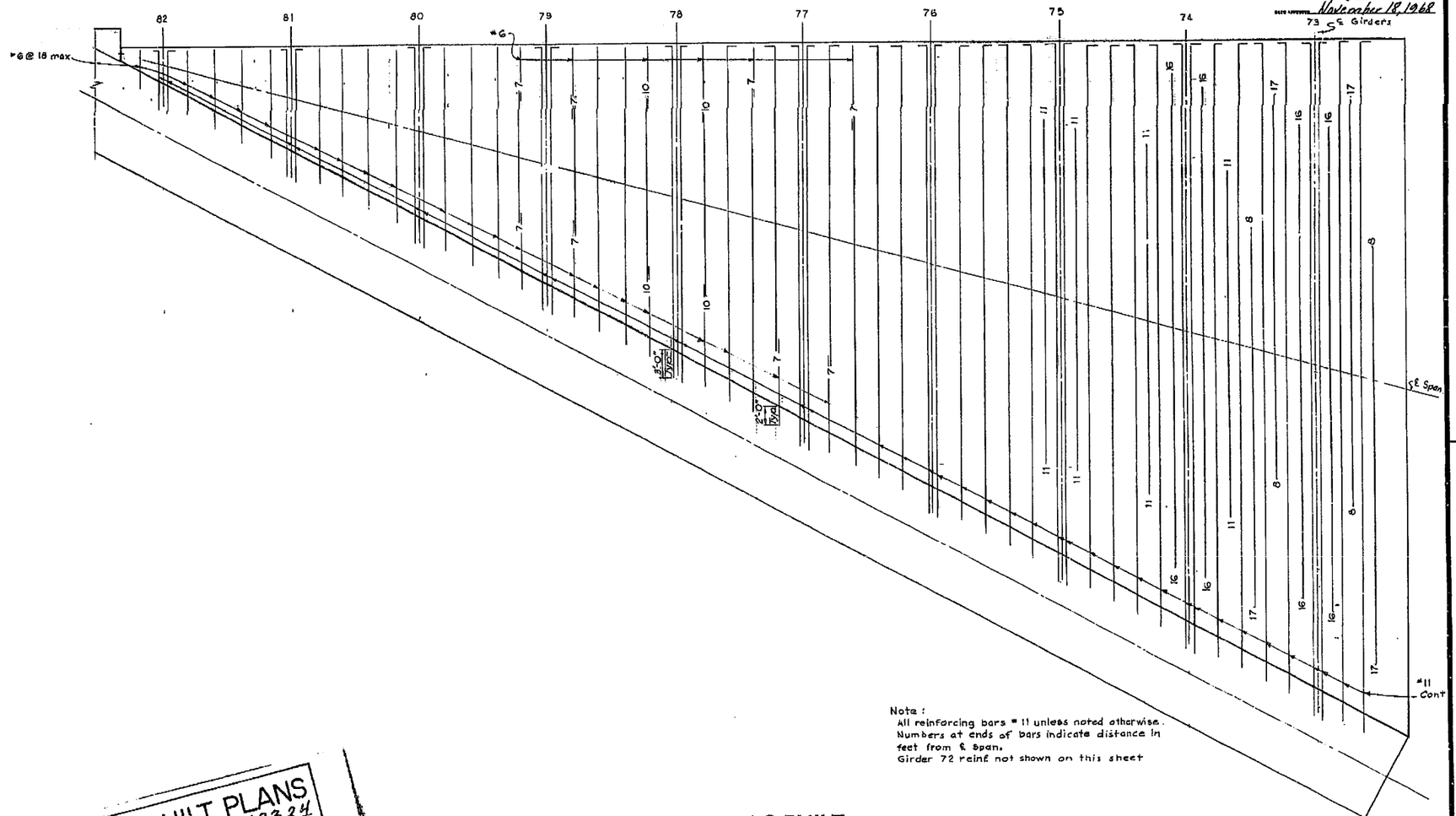
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
DATE 3/30/76 SIGNATURE Ruth Meadows TITLE Microfilm Supervisor

CutePDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	714	736

A. R. Buzzeman

DATE APPROVED November 18, 1968



Note:
All reinforcing bars #11 unless noted otherwise.
Numbers at ends of bars indicate distance in feet from ℄ span.
Girder 72 reinf not shown on this sheet

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

MICROFILMED

AS BUILT
CORRECTIONS Not Available
CONTRACT NO. 068324
DATE 3/76 H. Shaver

BRIDGE DEPARTMENT
DESIGN SECTION 14

Project Engineer	O. Bender
DESIGN	By M.G. Cowley
	Checked A. Stoneman
DETAILS	By I-D
	Checked A. Stoneman
QUANTITIES	By Y Y Ballup
	Checked LAI PONG

STATE OF CALIFORNIA
HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

BOTTOM GIRDER REINFORCEMENT No. 1

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	531959-15	15	22

WO
CU

Disregard prints bearing earlier revision dates →

REVISION DATES (PRELIMINARY STAGE ONLY)

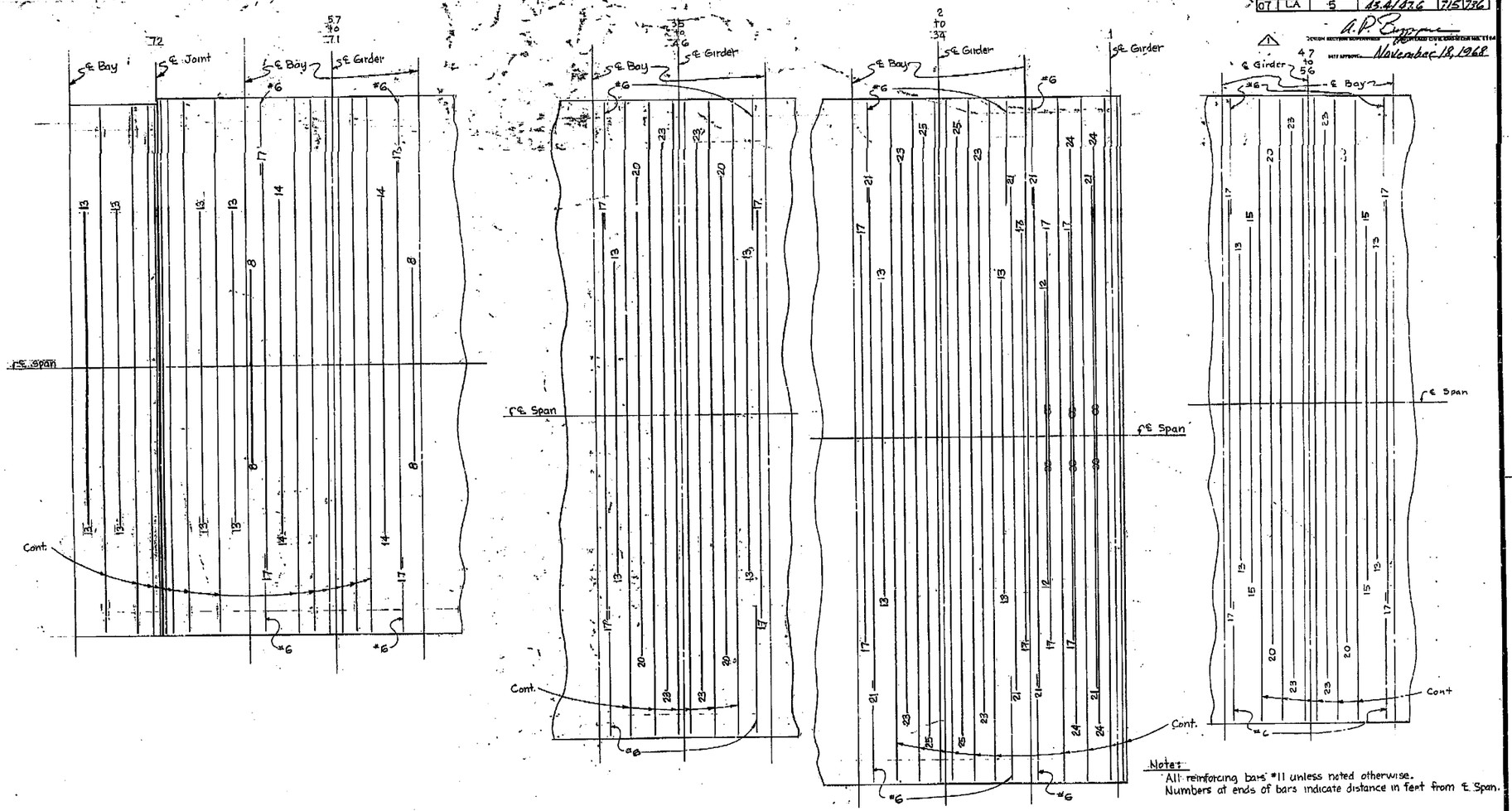
714

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 3/30/76 SIGNATURE Dick Meadows TITLE Microfilm Supervisor

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	715	736

A. P. [signature]
DESIGN SECTION SUPERVISOR — REGISTERED CIVIL ENGINEER NO. 1164
DATE APPROVED November 18, 1968



Note:
All reinforcing bars #11 unless noted otherwise.
Numbers at ends of bars indicate distance in feet from ℄ Span.

AS BUILT
CORRECTIONS Not Available
CONTRACT NO. 068324
DATE 3/76 [signature]

MARK	DATE	DESCRIPTION	BY	CHK
1	7-17-70	Girder 47 to 56 Reinf. change	I-D	AS

REVISIONS

BRIDGE DEPARTMENT
DESIGN SECTION 14
Designed by O. Bender
Checked by [signature]
Checked by [signature]
DETAILS by LAI FONG 12/67
Checked by [signature]
QUANTITIES by [signature]
Checked by LAI FONG

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

BOTTOM GIRDER REINFORCEMENT NO. 2

BRIDGE NO. 53-1959 | POST MILE 45.7 | DRAWING NO. 531959-16 | SHEET 16R1 OF 22

Disregard prints bearing earlier revision dates

REVISION DATES (PRELIMINARY STAGE ONLY)

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

MICROFILMED
MAR 30 1976

715

WO
CU

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 3/30/76 | SIGNATURE [signature] | TITLE [signature]

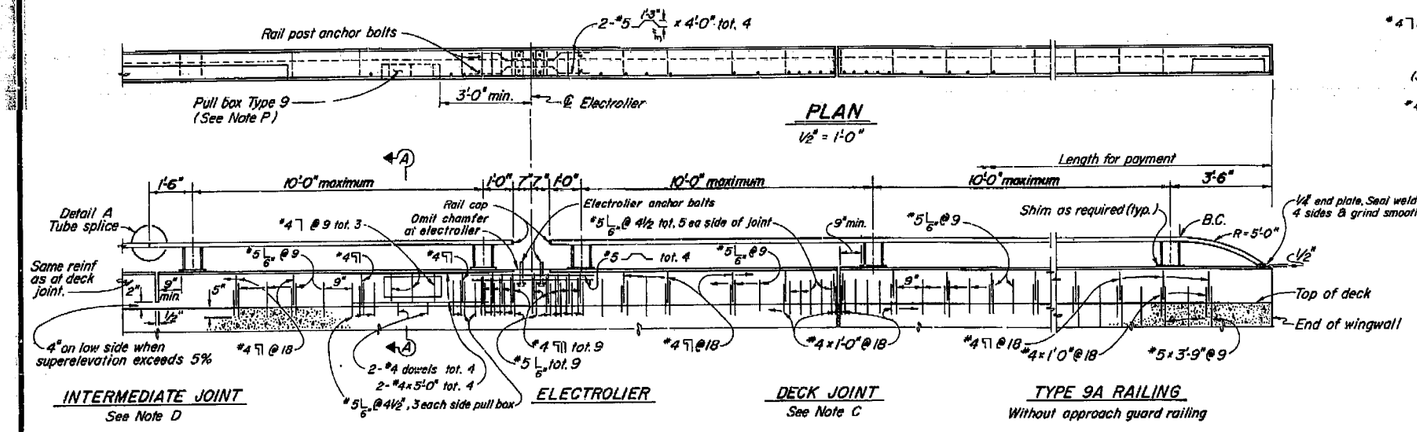
CIBPDF - www.tasbo.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	L.A	5	43.4/47.6	716	736

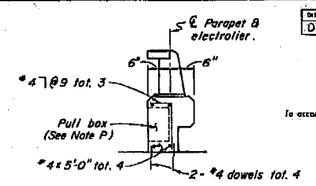
BRIDGE ENGINEER — REGISTERED CIVIL ENGINEER — LICENSE 5888

DATE APPROVED SEPTEMBER 1, 1967

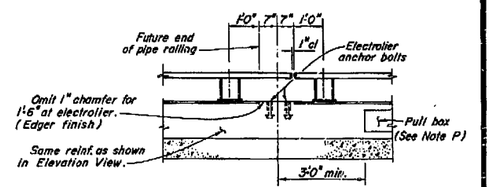
To accompany plans dated November 18, 1968



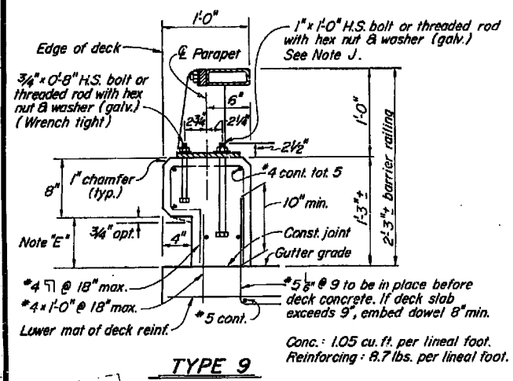
ELEVATION
1/2" = 1'-0"



SECTION A-A
3/16" = 1'-0"

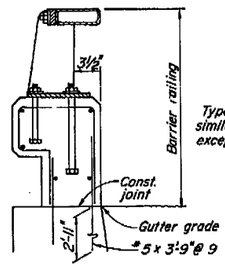


FUTURE ELECTROLIER
1/2" = 1'-0"



Conc.: 1.05 cu.ft. per lineal foot.
Reinforcing: 8.7 lbs. per lineal foot.

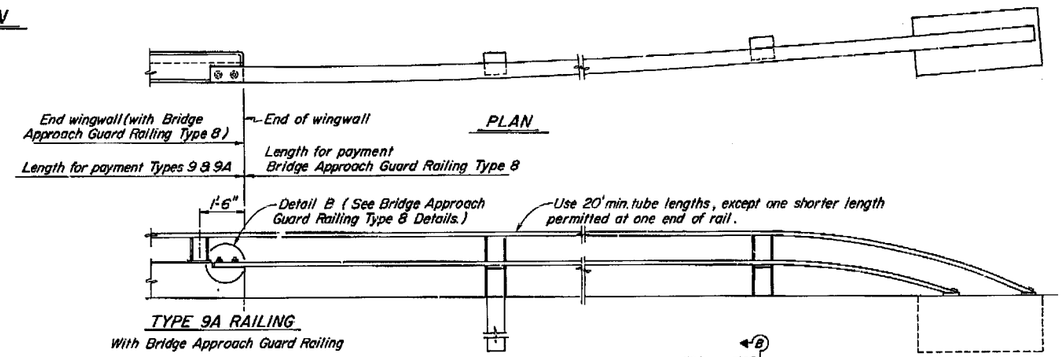
TYPE 9



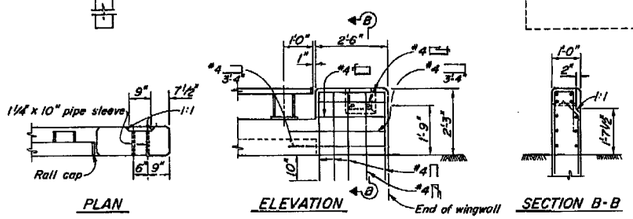
Type 9A details are similar to Type 9 except as noted.

Conc.: 1.05 cu.ft. per lineal foot.
Reinf: 10.5 lbs. per lineal foot.

TYPE 9A



TYPE 9A RAILING
With Bridge Approach Guard Railing



PLAN — ELEVATION — SECTION B-B

METAL BEAM GUARD RAIL ANCHORAGE
1/2" = 1'-0"

Note: For Metal Beam Guard Rail connection details see Road Plans.

A. Tubing shall be bent to fit horizontal curve when radius is less than 950'.
B. Posts shall be normal to railing.
C. Curb and rail joints shall be located at all deck joints. Joint size to match actual width of deck opening. Sleeve in rail joint to be lengthened as required.
D. Open intermediate curb and rail joints shall be located at ℄ piers, abutments or bents and at uniform spacing (40'-0" max.)
E. Dimensions will vary with cross slope.
F. Construct 3" deep x 12" wide overflow scupper 2" above deck at low points in grade.
G. Walls are to be backfilled before railing is placed.
H. Clearance to reinforcing steel in curb and railing to be 1". Longitudinal reinforcement to stop all joints.
J. High strength rods threaded both ends with 2 nuts and washers (all galv.) may be substituted for high strength anchor bolts.
K. Torque rail to post nuts to 175 ft. lbs.
L. Tubing shall be continuous over not less than 2 intermediate posts, with a minimum length of 2 panels, except as noted.
M. All exposed corners shall be ground smooth.
N. Galvanize rail assembly after fabrication.
O. Locate pull box near mid-point between posts, but not in same panel as deck joints or electroliers
P. Reinforcement is shown for Type 9 pull box. If Type 9A pull box is to be used refer to "Type 9A Pull Box" sheet.

AS BUILT
CORRECTIONS Not Available
CONTRACT NO. 068324
DATE 3/76 M. Shaw

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

9/67 — XS-9-84

TRUCK ROUTE UNDERCROSSING

BARRIER RAILING TYPE 9

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1959	45.7	53/1959-17	17	22

REVISION DATES

Disregard prints bearing earlier revision dates

WO
CU

STANDARD DRAWING
Approved for Standard
DESIGN
DETAILS
CHECKED
QUANTITIES
Approved for Standard

MICROFILMED

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 5/30/76 SIGNATURE TITLE

ClibPDF - www.fastio.com

Note Added 8/69 Design Outs JTJ

Other modif. note in Drainage & Backfill det. Jan. 10-39 JTJ

Used "Drain Thru Curb" detail. Rev. notes in "Drainage Backfill" detail. Revised to modify exp. jt. filler. Jan. 1-61 RTK

Removed key and added const. jt. 10-17-61 JTJ

Rem. Rubber from all waterstop notes, deleted Signature Block & blank above Co. Rt. Sec. Box. Co. Rt. Co. & Title Block-C JTJ 9-5-63

Rev. Note in Drainage and Backfill Detail. d" Pvmt. 9-10-63 JTJ

Rev. Notes & Detail in "Drainage & Backfill" detail. Deleted 3 spall detail. Deleted waterstop. Deleted "min. Bum" dim. in Drainage & Backfill detail. 11-12-63 JTJ

Added backfill to all pervious material notes. JTJ 3-66

Bents Skewed Back Issued in Book 64 EJJ 8-66

Sheets Using Lt. Mem. Steel Rail Shoe Revised Bents to in Book 64 RAP

Revised W-1 Detail to Dec 66 EJJ

Revised "W-1 Detail" 2'-5" to 1'-0" Standard Ave 4" Drains in "Drainage and Backfill"; Type Grade 1-1/2 66 EJJ

Replaced "Expansion Joint" with "Detail J-6" 2 Jan 68 EJJ

DIST	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	SHEET	TOTAL SHEETS
07	LA	5	43.4/47.6	717	736

Date of Approval November 18, 1968

3'-0" below finished grade.

1'-0"

Place waterstop as shown when required.

6"±

Pervious backfill material continuous behind wall.

1 cu. ft. pervious backfill material in a burlap sack tied securely.

4"ϕ Drains @ 25' ctrs. max. to discharge through contemplated curb or 3"± above outside ground surface. Slope 1/2" per foot.

Place concrete in toe against undisturbed material.

Backfill sufficiently to prevent ponding of water. Backfill behind abutment not to be placed higher than fill in front of abutment until superstructure is in place. After superstructure has been placed, backfill to be placed uniformly at both abutments to equalize wall pressures.

W/2

DRAINAGE AND BACKFILL

1 cu. ft. pervious backfill material in a burlap sack, tied securely

4"ϕ drain

3/4" min.

4" max. size for Cast Iron or Asbestos Cement pipe.

DRAIN THROUGH CURB

Loading Notes

Superstructure load assumed to vary between 5.0^k-20.0^k per lineal foot, H=22 to H=28
5.0^k-17.5^k per lineal foot, H=18 & H=20

2' Level surcharge used.

Depth of superstructure: 2' min., 7' max.

Abutment layout line

T

Detail "A"

Membrane Waterproofing

2"

#4 @ 36

#4 @ 18

Vertical

#4 Splice to ⓒ bar

H

ⓒ bars

ⓐ

9'-0"

5'-0"

ⓑ bars

ⓓ bars

Construction Joint

2'-0"

#4 tot. 12

R=9

2'-0"

3"

5"

ⓓ bars

2'-0"

2'-0"

Optional type key (Omit footing key when ordered by the Engineer.)

B

C

W

SECTION

#4 Between keys

#4 @ 12 Between keys

#5 Cont.

#4 @ 12

T

4"

1/2" Exp. Jt. filler

3 1/2"

1" Radius

Abut. reinf.

SECTION

2'-0" Key Place 15' Ctrs. Max.

ELEVATION

DETAIL "A"

1/2" Exp. Joint

#4 @ 12

#4 @ 12

2'

2'

ELEVATION

Layout Line

1'-0"

PLAN

FOOTING STEP

W-1

1'min.

J-6

Top of wall

Top of footing

W-1

24' max.

4"ϕ drains

96' max.

ELEVATION

Cut or butt every other front face horizontal bar at J-6.

Detail J-6

SECTION

Joint may be formed with 1/8" hardboard and cut back to the root of the chamfer on the exposed face.

1 1/2"

3/4" chamfer

1/8"

PLAN

DETAIL J-6

Face of wall

6"±

Holes will be permitted in the outer 1/2" of the web for wires, rings, etc. Tie web to #3 reinforcing bars at 12" max. intervals to support the waterstop in proper position during concrete placement. Alternative detail may be submitted for approval of the Engineer.

2 1/4" min

1/2" min.

1/8" min thickness

Seal between filler and waterstop

1/16" rad.

#3 bar

Waterstop to have 5 or more pairs of raised ribs to provide 0.1 sq. in. min. rib cross-section area on each half of the waterstop. Height of ribs to be 3/32" min.

Bonding strip

1/2" expansion joint filler

#3 bar

3/32" min

DETAIL W-1

TABLE OF REINFORCING STEEL, DIMENSIONS AND DATA

H	18'	20'	22'	24'	26'	28'
T	1'-2"	1'-4"	1'-6"	1'-8"	1'-10"	2'-0"
W	6'-6"	7'-3"	8'-0"	8'-9"	9'-6"	10'-3"
C	3'-5"	3'-10"	4'-3"	4'-7"	5'-0"	5'-5"
Q	3'-1"	3'-5"	3'-9"	4'-2"	4'-6"	4'-10"
ⓐ Bars	#9 @ 15	#10 @ 17	#10 @ 15	#11 @ 16	#11 @ 15	#11 @ 14
ⓑ Bars	#9 @ 15	#10 @ 17	#10 @ 15	#11 @ 16	#11 @ 15	#11 @ 14
ⓒ Bars	#9 @ 7 1/2	#10 @ 8 1/2	#10 @ 7 1/2	#11 @ 8	#11 @ 7 1/2	#11 @ 7
ⓓ Bars	#4 @ 7 1/2	#4 @ 8 1/2	#4 @ 7 1/2	#5 @ 8	#5 @ 7 1/2	#5 @ 7
ⓔ Bars	#5 @ 7 1/2	#5 @ 8 1/2	#5 @ 7 1/2	#6 @ 8	#6 @ 7 1/2	#6 @ 7
Conc. cf. / ft.	36.2	43.3	51.3	59.8	68.0	78.8
Steel lbs. / ft.	233	271	326	399	451	510

STANDARD DRAWING

Submitted by: M. E. Hoyt 12-67

Approved Economical: [illegible]

Approved Structural: [illegible]

Approved Hydraulic: [illegible]

Approved Materials: [illegible]

Approved Traffic: [illegible]

Approved Standards: [illegible]

Approved Bridge: [illegible]

Approved Chief Engineer: [illegible]

Date Approved: 4-21-9

MICROFILMED

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

AS BUILT
CORRECTIONS ■ Not Available
CONTRACT NO. 068324
DATE 3/76 U. Shaver

12/67 — STATE OF CALIFORNIA TRANSPORTATION AGENCY DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS — File XS-22-1

TRUCK ROUTE UNDERCROSSING

STRUTTED ABUTMENT - SPREAD FOOTING

BRIDGE NO. 53-1959 | POST MILE A5.7 | DRAWING NO. 531959-18 | SHEET 18 | OF 22

REVISION DATES (PRELIMINARY STAGE ONLY)

Blueprint prints bearing earlier revision dates →

717

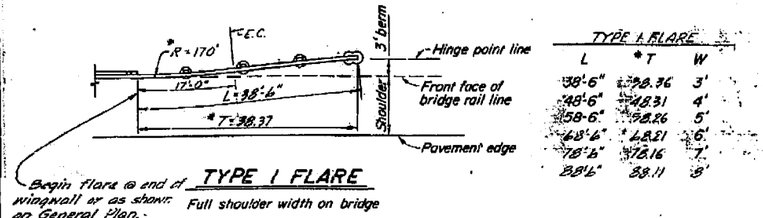
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 3/30/76 — [illegible] — TITLE Microfilm Supervisor

CutPDF - www.tastia.com

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	718	736

DATE APPROVED November 18, 1968

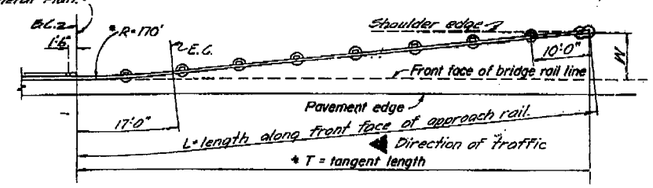


TYPE 1 FLARE

L	*T	W
38'-6"	38.36	3'
48'-6"	48.31	4'
58'-6"	58.26	5'
68'-6"	68.21	6'
78'-6"	78.16	7'
88'-6"	88.11	8'

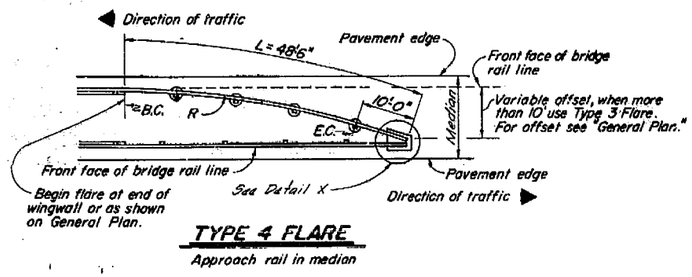
TYPE 1 FLARE

Begin flare @ end of wingwall or as shown on General Plan. — *Full shoulder width on bridge*



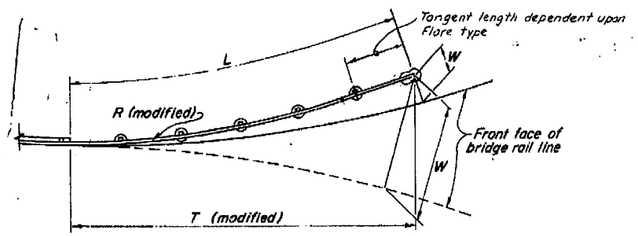
TYPE 1 FLARE

Reduced shoulder width on bridge (right or left)



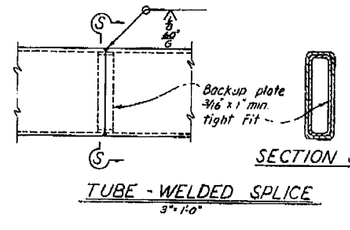
TYPE 4 FLARE

Approach rail in median



FLARE LAYOUT ON CURVED ROADWAY

Note: W is radial to front face of bridge rail line
Railing shown for roadway curve to left

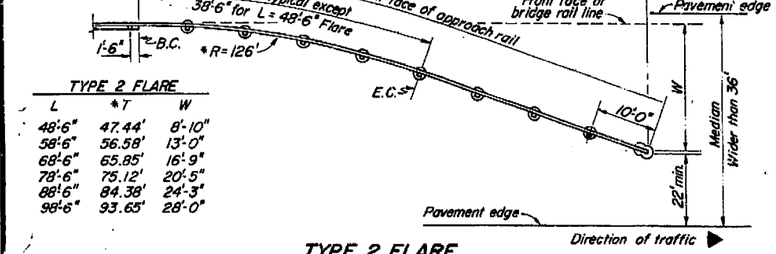


TUBE - WELDED SPLICE

3"=1'-0"

Notes:

A. Tubing shall be shop bent or fabricated to fit horizontal curves of less than 950' radius.
B. Posts shall be vertical and spaced at 10'-0" c.c. max.
C. Top of rail elevations to be determined by the Engineer unless shown on the plans.
D. Torque rail to post nuts to 175 ft. lbs.
E. No more than one tube splice per panel is permitted.
F. All exposed edges shall be ground smooth.
G. Galvanize rail assembly after fabrication.
H. For details not shown see "Barrier Railing" sheet.
J. Front face of bridge rail line is parallel or concentric to pavement edge.
K. Dimensions marked * are valid for tangent roadway alignment only. Modify for curved roadway.
L. R for Type 3 & 4 Flare must be calculated for each offset.

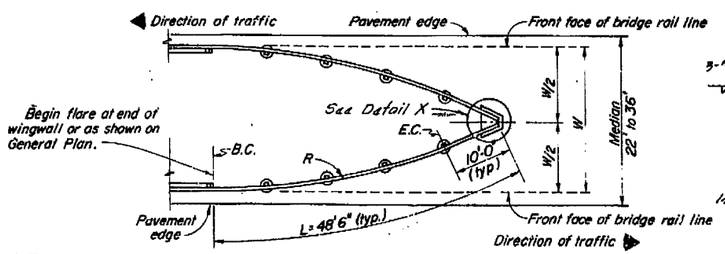


TYPE 2 FLARE

L	*T	W
48'-6"	47.44'	8'-10"
58'-6"	56.58'	13'-0"
68'-6"	65.85'	16'-9"
78'-6"	75.12'	20'-5"
88'-6"	84.38'	24'-3"
98'-6"	93.65'	28'-0"

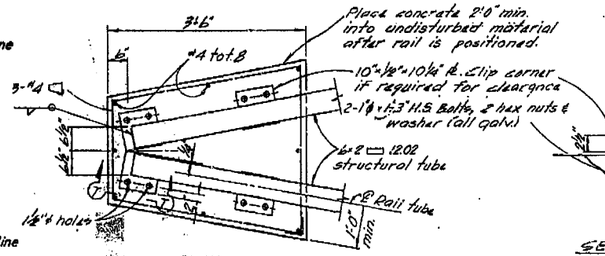
TYPE 2 FLARE

Approach rail in median

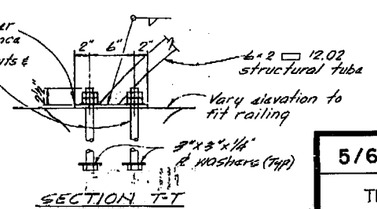


TYPE 3 FLARE

Approach rail in median



PLAN



SECTION T-T

DETAIL X

No Scale

AS BUILT

CORRECTIONS Not Available

CONTRACT NO. 068324

DATE 3/76 M. Shaver

STANDARD DRAWING

DESIGN	DETAILS	CHECKED
T. Yang	T. Yang	M. Hoffman

STATE OF CALIFORNIA
TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

5/68 — XS-9-87

TRUCK ROUTE UNDERCROSSING

BRIDGE APPROACH GUARD RAILING TYPE 8 (LAYOUT)

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
53-1050		53/9.51-19	10	22

REVISION DATES: 2/14/68 11/1/68

WO
CU

Disregard prints bearing earlier revision dates

MICROFILMED MAR 30 1976

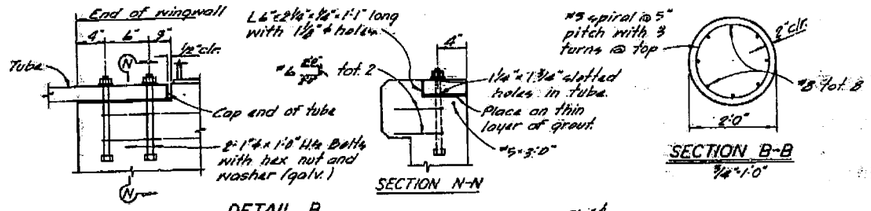
AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

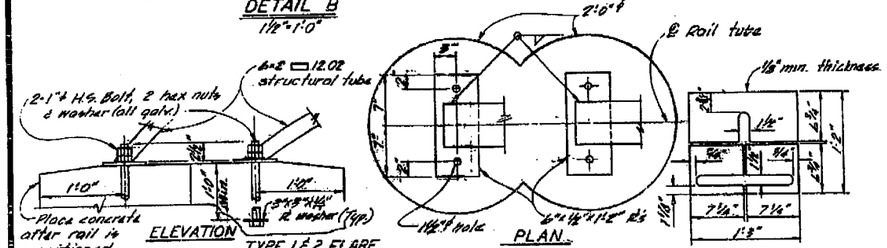
DATE 3/30/76 SIGNATURE [signature] TITLE Microfilm Supervisor

ClibPDF - www.fastio.com

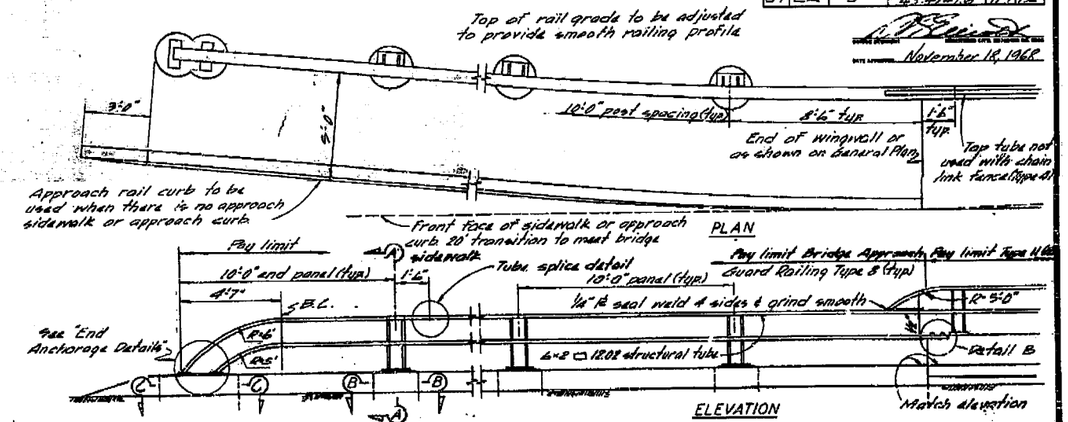
DIST.	COUNTY	ROUTE	POST MILES — TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	43.4/47.6	114	174



DETAIL B
1½"=1'-0"

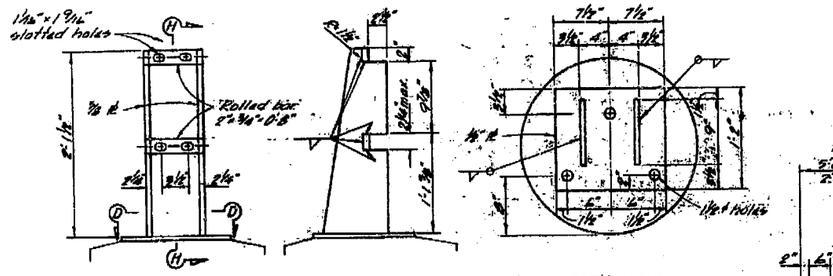


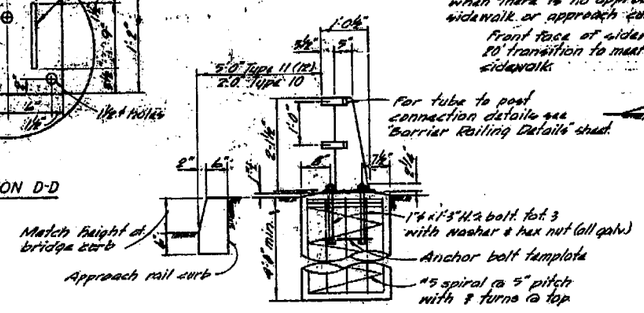
END ANCHORAGE DETAILS
1½"=1'-0"

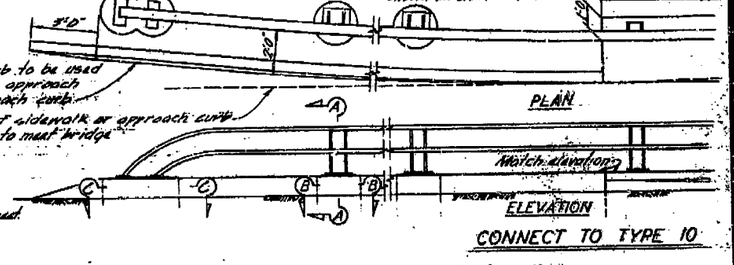


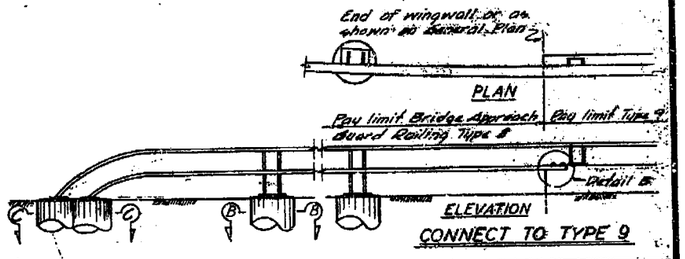
BRIDGE APPROACH GUARD RAILING TYPE 8
⅜"=1'-0"

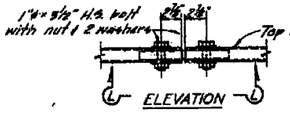
CONNECT TO TYPE 11 (12)

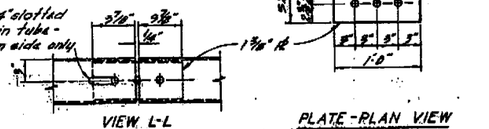


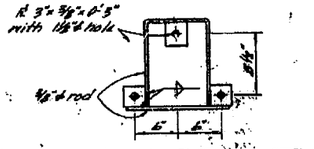


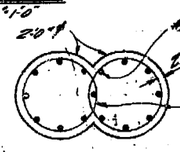












AS BUILT
CORRECTIONS Not Available
CONTRACT NO. 068324
DATE 3/76

5/68	STATE OF CALIFORNIA TRANSPORTATION AGENCY DEPARTMENT OF PUBLIC WORKS DIVISION OF BRIDGES	XS-9-83

TRUCK ROUTE-UNDERCROSSING
BRIDGE APPROACH GUARD RAILING TYPE 8 (DETAILS)

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 1000 7347

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 3/30/76 SIGNATURE [signature] TITLE Assistant Engineer

CleoPDF - www.fastio.com

FED. ROAD SYS. NO.	STATE	F. A. PROJECT No.	SHEET NO.	TOTAL SHEETS
7	CALIF.			

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
07	LA	5	426	720736	

DIVISION ENGINEER, STRUCTURES DIV. 11164

DATE APPROVED: November 18, 1968

720

BENCH MARKS

BM "2-F-40" Elev. 1593.20 (Adj.)
Bronze tablet in conc. mon. stamped "BM-2-F-40" 137' Left of Sta. 37+20

BM "28-4F-55" Elev. 1547.59
Bolt in conc. 82' Rt. of 28+63 ℄ Const. at East end of Weldon Canyon Br. (L 22.6)

N 234,959.599
E 192,953.931

RAMP "T"

MLA RTE 5 ℄ CONST

79 80 81 35 82 83 84 85 86

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10 B-11

N

PLAN

Scale 1" = 30'

PROFILE

Scale Vert. 1" = 10'
Horiz. 1" = 30'

1600 1590 1580 1570 1560 1550 1540 1530 1520 1510 1500 1490

Approx. existing ground line along ℄ MLA

B-1 Compact dark brown gravelly silty fine to very fine sand (fill)

Dense grey silty fine to very fine sand with occasional pieces of wood (fill)

Compact to dense grey, yellow brown and olive brown fine to very fine sand (color variable) with occasional pieces of wood (fill)

Very dense brown, poorly sorted sand

Dark grey sandstone

B-2 Compact dark brown silty very fine to fine sand, scattered gravel (fill)

Compact to dense grey fine to very fine sand (fill)

Slightly compact grey and tan very fine sand (fill)

Compact grey very fine sand (fill)

Slightly compact tan very fine sand with organic material (fill)

Compact to dense tan fine to very fine sand with scattered granules and pebbles

Very dense tan sandstone with an occasional weathered zone.

B-3 Compact dark brown silty very fine to fine sand, scattered gravel (fill)

B-4 Compact to dense grey fine to very fine sand (fill)

B-5 Compact brown gravelly silty fine to very fine sand (fill)
Compact olive grey silty fine to very fine sand (fill)
Caliche brown gravelly silty, medium to very fine sand
Very dense dark grey sandstone

B-6 Very dense tan sandstone

B-7 Very dense tan sandstone

B-8 Very dense tan sandstone

B-9 Very dense tan sandstone

B-10 Very dense tan sandstone

B-11 Compact dark brown gravelly silty fine to very fine sand (fill)
Compact dark olive brown gravelly fine to very fine sand (fill)
Compact olive tan medium to fine sand (fill)
Compact light brown silty fine to very fine sand (fill)
Very dense light grey sandstone with brown weathered zones

LEGEND OF BORING OPERATIONS

Penetrometer
24" Core Penetrometer
Standard Sample (SPT)
Ring Sample (RPT)
Rotary Boring
Auger Boring (HAS)
Jet Boring
Core Boring
Test Pit
1" Soil Tube

LEGEND OF EARTH MATERIALS

Silty Clay or Clayey Silt
Gravel
Rock or Bedrock Mantle
Sand
Fill Material
Silt
Igneous Rock
Clay
Sedimentary Rock
Sandy Clay or Clayey Sand
Metamorphic Rock
Silty Sand or Very Sandy Silt

CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS

Diagram showing the sand fine expanded at right are rectangular area in system of classification of soils for engineering purposes, the "triangular" chart, the "circular" chart, and the "rectangular" chart. The "circular" chart was used to rectangle grand, silt and gravel. Refer to 1340 chart.

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

FIELD STUDY	W. C. DAVIS	6-14-66
DRAWN	W. C. DAVIS	7-15-66
CHECKED	W. A. REGIS	7-15-66
CHECKED	C. E. STUART	

Approved: C. E. Stuart
Materials Engineer

BRIDGE DEPARTMENT
ENGINEERING GEOLOGY SECTION

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

LOG OF TEST BORINGS

SCALE As Noted | BRIDGE 53-1959 | FILE | DRAWING 53-1959-21

SHEET 21 OF 22 SHEETS

Charge 07214
W.A. 060321

Disregard prints bearing earlier numbers

PREL. DRAWING No. PR- 12/68

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 7000 7347

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 8/30/76 SIGNATURE Victor Medeiros TITLE Micrographic Supervisor

CutePDF - www.cutepdf.com

DIST.	COUNTY	ROUTE	POST MILE	TOTAL PROJECT
07	LA	5	37.6	721
			37.6	736

FED. ROAD DIV. NO.	STATE	F. A. PROJECT No.	SHEET No.	TOTAL SHEETS
7	CALIF.			

DISTRICT ENGINEER

DISTRICT CIVIL ENGINEER NO. 7

DATE APPROVED November 18, 1968

BENCH MARK

BM # 2-F-40 Elev. 1593.29 (Adj)
Bronze tablet in conc. mon. stamped "BM
2-F-40" 137' left of sta. 37+20

PLAN
Scale 1" = 30'

RAMP "L"
RAMP "T"
MLA CONST RTE 5
B-1 B-2 B-3 B-4 B-5 B-6
N 235,019.308
E 132,703.939
15" Ll. Sta. 37+55 & Ramp "L" (Extended)
15" Ll. Sta. 38+39 & Ramp "L"
15" Ll. Sta. 38+92 & Ramp "L"
15" Ll. Sta. 39+25 & Ramp "L"
15" Ll. Sta. 39+75 & Ramp "L"

PROFILE
Scale Vert. 1"=10'
Horiz. 1"=30'

Approx. existing ground line along ℄ Ramp "L"
Compact brown gravelly silty fine to very fine sand (fill)
Very dense light brown fine to very fine sand (fill)
Very dense light gray sandstone with brown weathered zones.
Slightly compact brown gravelly silty fine to very fine sand (fill)
Slightly compact brown gravelly silty medium to very fine sand.
Very dense interbedded brown and light gray, medium to very fine sand
Very dense dark brown sandstone
Very dense dark gray sandstone

LEGEND OF BORING OPERATIONS

PENETRATION RESIST.
ROTARY RESIST.
1" SPT. TUBE
Penetrometer
2½" Core Penetrometer
Quarter Sonde (Geo)
Rotary Sonde (Wet)
Auger Sonde (Dry)
Jet Sonde
Core Sonde
Test Pit

LEGEND OF EARTH MATERIALS

Gravel
Sand
Silt
Clay
Sandy Clay or Silty Clay
Sandy Silt or Silty Sand
Fill Material
Igneous Rock
Sedimentary Rock
Metamorphic Rock

CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMIT

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

FIELD SYSTEM	by D.BOND 6-10-66
DRAWN	by M.ALLRED 7-14-66
CHECKED	by C.Bass 7-18-66
Approved Recommended by	C. E. Sanders Engineering Geologist

BRIDGE DEPARTMENT
ENGINEERING GEOLOGY SECTION

721

MICROFILMED MAR 1 1976

AS BUILT PLANS
Contract No. 07-068324
Date Completed
Document No. 70007347

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

TRUCK ROUTE UNDERCROSSING

LOG OF TEST BORINGS

SCALE As Noted | BRIDGE 53-1959 Q.L. | FILE | DRAWING 53 / 19.5 9-22

SHEET 22 OF 22 SHEETS

Charge 07214
W.A. 069321

Disregard prints bearing earlier numbers →

PREL. DRAWING No. PR-

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 5/30/96 SIGNATURE Patricia Meadows TITLE Microfilm Supervisor

CutePDF - www.fastio.com