NINTH STREET BRIDGE

OVER THE

LOS ANGELES RIVER

CONTRACT NO. 2 CHANNEL SUPERSTRUCTURE APPROACHES & HARBOR ROADWAYS

LIST OF DRAWINGS

GENERAL & FOUNDATION

1 GENERAL PLAN
2 BORINGS - WEST SIDE
3 BORINGS - EAST SIDE
4 FOOTING LOCATION PLANS - WEST AREA
5 FOOTING LOCATION PLANS - INNER RAMP AREA
6 FOOTING LOCATION PLANS - EAST AREA
7 PILING DETAILS

ABUTMENTS

8 WEST BRIDGE ABUTMENT - SOUTH PART
9 WEST BRIDGE ABUTMENT - NORTH PART
10 EAST BRIDGE ABUTMENT - NORTH PART
11 EAST BRIDGE ABUTMENT - SOUTH PART
12 APPROACH ABUTMENTS - 10TH STREET & 9TH STREET WEST
13 APPROACH ABUTMENTS - 9TH STREET EAST
14 APPROACH ABUTMENTS - HARBOR ON & OFF RAMPS
15 APPROACH ABUTMENTS - 7TH STREET WEST
16 APPROACH ABUTMENTS - 7TH STREET EAST & 6TH STREET

PIERS

17 PIER NO. 8
18 PIER NO. 1W
19 TYPICAL 3 COLUMN PIERS - NOS. 2W-12W, 19W, 2E-6E, 8E, 11E, 13E & 14E
20 TYPICAL 4 COLUMN PIERS - NOS. 13W, 26W, 10E & 15E
21 PIER NO. 14W
22 PIER NO. 15W
23 PIER NO. 16W
24 PIER NO. 17W
25 PIER NO. 18W
26 PIER NO. 20W
27 PIER NO. 21W
28 PIER NO. 22W
29 PIER NO. 23W
30 PIER NO. 24W
31 PIER NO. 25W
32 PIER NO. 27W
33 PIER NO. 1E
34 PIER NOS. 7E & 12E
35 PIER NO. 9E

RETAINING WALLS

36 RETAINING WALLS - NOS. W-1, W-2 W-3 & W-4
37 RETAINING WALLS - NOS. W-5, W-6 & W-7
38 RETAINING WALLS - NOS. W-8, W-9, W-10 & W-11
39 RETAINING WALLS - NOS. E-1 & E-2
40 RETAINING WALLS - NOS. E-3 & E-4
41 RETAINING WALLS - TYPICAL SECTIONS & DETAILS

BRIDGE FRAMING

42 BRIDGE STRESS SHEET - SPANS 1, 3, 5 & 7
43 BRIDGE STRESS SHEET - SPANS 2, 4, 6, 8 & 9
44 BRIDGE FRAMING PLAN - WEST ABUTMENT TO PIER 3
45 BRIDGE FRAMING PLAN - PIER 3 TO PIER 6
46 BRIDGE FRAMING PLAN - PIER 6 TO EAST ABUTMENT
47 BRIDGE GIRDER SLOPES & ELEVATIONS AT PIERS & ABUTMENTS
48 BRIDGE CROSS SECTION
49 BRIDGE CROSS SECTIONS AT PIERS, ABUTMENTS AND EXPANSION DAMS
50 BRIDGE GIRDERS - TYPICAL ANCHOR SPAN - PART I
51 BRIDGE GIRDERS - TYPICAL ANCHOR SPAN - PART II
52 BRIDGE GIRDERS - TYPICAL CANTILEVER SPAN - PART I
53 BRIDGE GIRDERS - TYPICAL CANTILEVER SPAN - PART II
54 BRIDGE GIRDERS - TYPICAL SUSPENDED SPAN
55 BRIDGE GIRDER E-1 - PART I
56 BRIDGE GIRDER E-1 - PART II
57 BRIDGE GIRDER H-3
58 BRIDGE GIRDER J-3 - PART I
59 BRIDGE GIRDER J-3 - PART II
60 BRIDGE GIRDER F-9
61 BRIDGE GIRDER G-9
62 BRIDGE GIRDER F-10
63 BRIDGE SUSPENSION LINKS
64 BRIDGE EXPANSION DAMS

APPROACHES FRAMING

65 APPROACHES STRESS SHEET
66 APPROACH FRAMING PLAN - 10TH STREET - PIER 1 TO PIER 14W
67 APPROACH FRAMING PLAN - 10TH STREET - PIER 14W TO ABUTMENTS
68 APPROACH FRAMING PLAN - 9TH STREET
69 APPROACH FRAMING PLAN - 6TH STREET & 7TH STREET
70 APPROACHES CROSS SECTIONS - TYPICAL STRINGER & GIRDER SECTIONS
71 APPROACHES CROSS SECTIONS - TYPICAL GIRDER SECTIONS
72 APPROACHES CROSS SECTIONS - SPANS 12W & 22W
73 APPROACHES GIRDER DETAILS - GIRDERS A-7E & B-22W
74 APPROACHES GIRDER DETAILS - GIRDERS A-16E & D-22W
75 APPROACHES GIRDER DETAILS - GIRDERS A-17W & A-20W

SHOES, RAILING & DECK

76 SHOE DETAILS
77 RAILING DETAILS & RAILING ABUTMENT
78 BRIDGE DECK DETAILS - WEST SIDE
79 BRIDGE DECK DETAILS - EAST SIDE
80 APPROACHES DECK DETAILS

ROADWAYS

81 DETOUR PLAN & SECTION
82 ROADWAY PLANS - NORTH AREA
83 ROADWAY PLANS - WEST AREA
84 ROADWAY PLANS - INNER RAMP AREA
85 ROADWAY PLANS - BRIDGE AREA
86 ROADWAY PLANS - EAST AREA
87 ROADWAY SECTIONS
88 APPROACH SLABS
89 PROFILES - WEST BRIDGE APPROACH
90 PROFILES - BRIDGE
91 PROFILES - EAST BRIDGE APPROACH
92 PROFILES - SOUTHB'D FREEWAY & ANAHEIM ST. ON RAMP
93 PROFILES - NORTHB'D FREEWAY & ANAHEIM ST. OFF RAMP
94 PROFILES - 10TH STREET APPROACH
95 PROFILES - 9TH STREET APPROACH
96 PROFILES - HARBOR ON RAMP
97 PROFILES - HARBOR OFF RAMP
98 PROFILES - 9TH STREET TO PICO AVE. & FASHION AVE.
99 PROFILES - PICO AVE. TO 10TH STREET & ACCESS ROAD
100 PROFILES - 6TH STREET APPROACH
101 PROFILES - 7TH STREET APPROACH

GRADING & DRAINAGE

102 GRADING & DRAINAGE PLANS - NORTH AREA
103 GRADING & DRAINAGE PLANS - WEST AREA
104 GRADING & DRAINAGE PLANS - INNER RAMP AREA
105 GRADING & DRAINAGE PLANS - BRIDGE AREA
106 GRADING & DRAINAGE PLANS - EAST AREA
107 STORM DRAIN PROFILES - LINES "A" THRU "H"
108 STORM DRAIN PROFILES - LINES "J" THRU "N"
109 STORM DRAIN PROFILES - LINES "P" THRU "T"
110 STORM DRAIN STRUCTURES

ELECTRICAL & SIGNING

111 ELECTRICAL & SIGNING PLAN - ANAHEIM STREET AREA
112 ELECTRICAL & SIGNING PLAN - NORTH AREA
113 ELECTRICAL & SIGNING PLAN - WEST AREA
114 ELECTRICAL & SIGNING PLAN - INNER RAMP AREA
115 ELECTRICAL & SIGNING PLAN - BRIDGE AREA
116 ELECTRICAL & SIGNING PLAN - EAST AREA
117 ELECTRICAL WIRING DIAGRAM & SCHEDULES
118 SIGN BRIDGE NO. 1 - PLAN, ELEVATION & SECTIONS
119 SIGN BRIDGE NO. 2 - & SIGN BRIDGE DETAILS
120 SIGN NO. 3 - ANAHEIM STREET OVERPASS
121 SIGNS NOS. 4 THRU 8 - TYPICAL DETAILS
122 SIGNS NOS 4 THRU 8 - FRAME DETAILS
123 MISCELLANEOUS SIGN DETAILS - & SIGNING NOTES

PB619733

PREPARED BY
MOFFATT & NICHOL, INC.
CONSULTING ENGINEERS
F. E. NICHOL
R. E. 6389

CITY ENGINEER OF LONG BEACH
APPROVED BY
JESSE D. GILKERSON
6-7-56

OFFICE OF E. J. AMAR, GENERAL MANAGER
CITY OF LONG BEACH, CALIFORNIA, HARBOR DEPARTMENT
RECOMMENDED BY
BOB HOFMASTER
ASSISTANT HARBOR ENGINEER
R. E. 5931
6-3-56
APPROVED BY
R. R. SHOEMAKER
CHIEF HARBOR ENGINEER
R. E. 1339
6-6-56

0/125

B-2760

CERTIFICATE OF AUTHENTICITY

This is to certify this microphotograph is a true, accurate and complete reproduction of a record in the custody of the Bureau of Engineering. Said documents were delivered in the regular course of business for photographing. It is further certified that the microphotographic processes were accomplished in a manner and on film which meets with requirements of the National Bureau of Standards for permanent microphotographic copy.

Custodian of Records

BR# 2759
BR# 2756
CO BR # 2757
BR# 2760
10th St DEF DAM 01

PB 619733