FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	269-F	41	13	17

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
VII	Ora.	43	A, Ora.	7	11

BRIDGE ENGINEER STRUCTURAL ENGINEER—LICENSE 1414

APPROVED June 24, 1940

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
BRIDGE DEPARTMENT

[illegible]	INITIAL	DATE
[illegible]	E.H.W.	4-40
[illegible]	H.K.	5-40
[illegible]	[illegible]	4-40
[illegible]		
[illegible]	R.L.	5-40
[illegible]	RMS	5-40
[illegible]	[illegible]	5-40

Pier № 1
Pier № 2
12'-6"
49'-6"
52'-0"
3"
12'-3"
20'-0"
10'-6"
9'-0"
7'-6"
5'-4"
h
f
e
d
k₁
g
2-1¼"□ f bars. Str. 21'-0" lg.
2-1¼"□ e bars. Str. 18'-0" lg.
2-1¼"□ d bars. Str. 15'-0" lg.
2-⅝"φ bars. Str. 25'-6" lg.
2-1¼"□ k₁ bars 28'-6" lg.
2-1¼"□ h bars 33'-7" lg.
2-¾"φ bars. Str. 14'-6" lg. (Splice to g & h bars.)
2-1¼"□ g bars. Str. 40'-0" lg.
2-1¼"□ o bars 36'-2" lg.
1-1¼"□ k bar 16'-10" lg.
2-⅝"φ bars Str. 26'-0" lg.
2'-6"
5'-0"
j
k
l
m
n
o
2-½"φ bars Str. 8'-0" lg.
1-1¼"□ k bar 16'-10" lg.
2-½"φ bars. Str. 11'-6" lg.
3-1¼"□ p bars 12'-3" lg.
2-1¼"□ j bars 30'-6" lg.
3-1¼"□ l bars 45'-0" lg.
2-1¼"□ m bars 38'-2" lg.
2-1¼"□ n bars 33'-8" lg.
2-1¼"□ q bars 23'-0" lg.
Splice q bars to j & j₁ bars
Parabola
2-½"φ bars. Str. 11'-6" lg.
2-1¼"□ j₁ bars 35'-4" lg.
3-1¼"□ p₁ bars 16'-4" lg.
4'-0"
8'-0"
p
p₁
q
j₁
12'-3"
17'-6"
14 Spaces @ 8"
1'-9½"
1'-9½"
26 Spaces @ 8" = 17'-4"
9 Spaces @ 1'-3" = 11'-3"
26 Spaces @ 8" = 17'-4"
1'-9½"
⅝"φ Stirrups Placed parallel to skew.

SPAN № 1

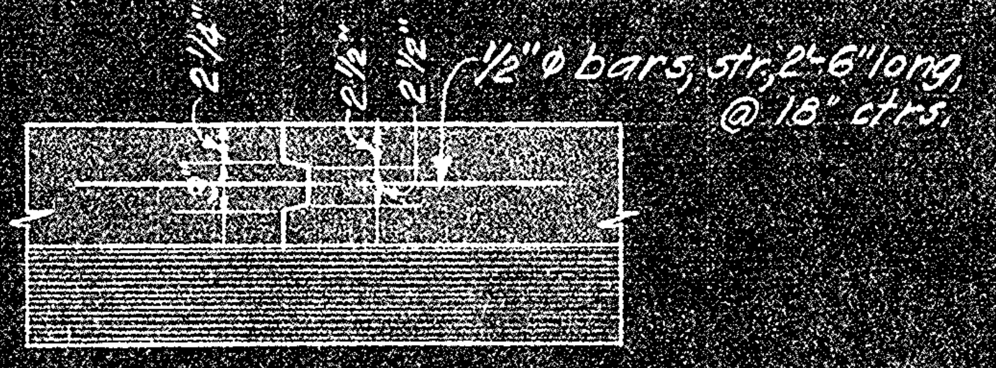
(Span № 5 Similar)

Note: For locations of Construction Joints in girders see Pouring Diagram on Sheet № 2.

NOTE: Reinforcing symmetrical about Span or Pier ℄ where not dimensioned.

Pier № 2
Pier № 3
49'-6"
52'-0"
20'-0"
10'-6"
9'-0"
7'-6"
12'-3"
2'-10"
g
g₁
f
e
d
HORIZONTAL SECTION
⅝"φ Stirrups
Construction Joint
2-1¼"□ e bars. Str. 18'-0" lg.
2-1¼"□ d bars. Str. 15'-0" lg.
2-⅝"φ bars. Str. 26'-0" lg.
2-1¼"□ f bars. Str. 21'-0" lg.
2-1¼"□ o bars 36'-2" lg.
2-1¼"□ g bars. Str. 40'-0" lg.
2-¾"φ bars. Str. 17'-0" lg. (Splice to g & g₁ bars.)
2-1¼"□ g₁ bars 33'-6" lg.
2-⅝"φ bars Str. 24'-4" lg.
1-1¼"□ o₁ bar 34'-0" lg.
1-1¼"□ o₂ bar 30'-4" lg.
2-1¼"□ d bars. Str. 15' lg.
2-1¼"□ e bars. Str. 18'-0" lg.
2-1¼"□ f bars. Str. 21'-0" lg.
1-1¼"□ k bar 16'-10" lg.
2'-6"
5'-0"
l
k
p₁
j₁
l₁
m₁
n₁
o₁
o₂
j₂
2-1¼"□ j₁ bars 35'-4" lg.
3-1¼"□ p₁ bars 16'-4" lg.
1-1¼"□ k bar 16'-10" lg.
2-½"φ bars. Str. 11'-6" lg.
2-1"φ bars, 5'-0" long, Total 4 in each girder.
3-1¼"□ l bars 47'-6" lg.
2-1¼"□ m bars 40'-0" lg.
2-1¼"□ n bars 36'-2" lg.
2-1¼"□ q bars 25'-6" lg.
Splice q bars to j₁ & j₂ bars.
Parabola
2-½"φ bars Str. 11'-6" lg.
2-1¼"□ j₂ bars 31'-0" lg.
3-1¼"□ p₁ bars 16'-4" lg.
8'-0"
17'-6"
13'-2"
q₁
1'-9"
27 Spaces @ 8" = 18'-0"
10 Spaces @ 1'-3" = 12'-6"
27 Spaces @ 8" = 18'-0"
1'-9"
⅝"φ Stirrups Placed parallel to skew.

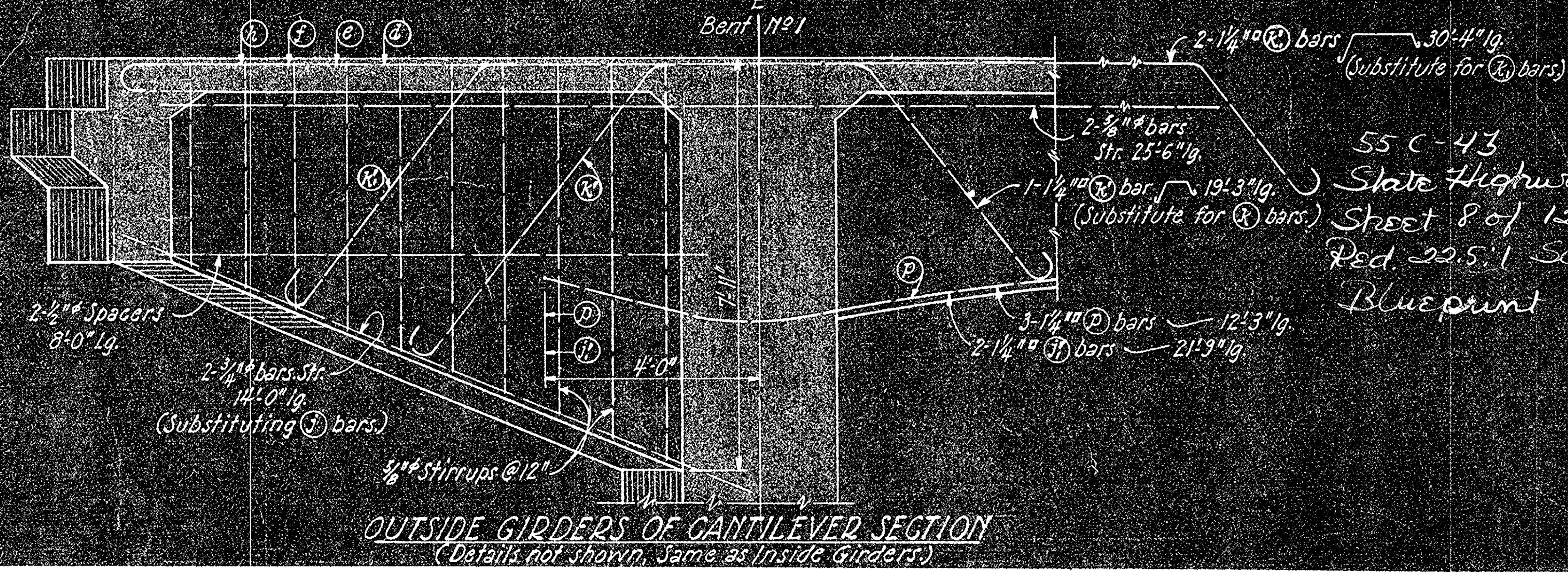
SPAN № 2


2¼"
2½"
2½"
½"φ bars, str, 2'-6" long, @ 18" ctrs.

SLAB CONSTRUCTION JOINT

Scale: ¾" = 1'-0"

Note: Locations of deck slab construction joints are subject to the approval of the Engineer.


Bent № 1
h
f
e
d
k₁
k'
p
j'
2-1¼"□ k'₁ bars 30'-4" lg. (Substitute for k₁ bars.)
2-⅜"φ bars Str. 25'-6" lg.
1-1¼"□ k' bar 19'-3" lg. (Substitute for k bars.)
2-½"φ Spacers 8'-0" lg.
2-¾"φ bars. Str. 14'-0" lg. (Substituting j bars.)
4'-0"
7'-11"
⅝"φ Stirrups @ 12"
3-1¼"□ p bars 12'-3" lg.
2-1¼"□ j' bars 21'-9" lg.

OUTSIDE GIRDERS OF CANTILEVER SECTION

(Details not shown, Same as Inside Girders.)

55 C-43
State Highway Bridge
Sheet 8 of 12
Red. 22.5:1 Scale ½" = 1'
Blueprint

AS BUILT
CORRECTIONS BY [illegible]
DATE [illegible]

BRIDGE ACROSS SANTIAGO CREEK
GIRDER DETAILS

SCALE ½" = 1'-0"	FILE NO.
BRIDGE NO. 55-33	DRAWING NO. C-1144-7