

BRIDGE SEAT ELEVATIONS

Stringers	1	2	3	4	5	6	7	8	9	10	11	12
S. Abutment	419.10	419.10	419.16	419.16	419.16	419.27	419.27	419.09	419.97	419.85	419.74	419.64
N. Abutment	418.70	418.83	419.95	419.07	419.19	419.36	419.36	419.20	419.28	419.28	419.22	419.22

PIER BAR LIST

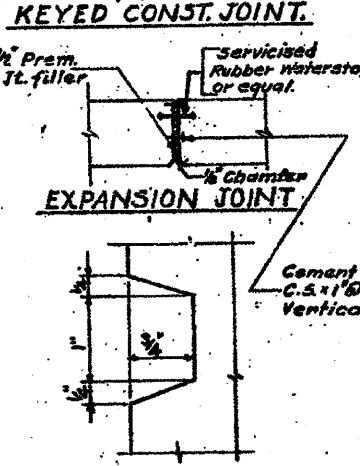
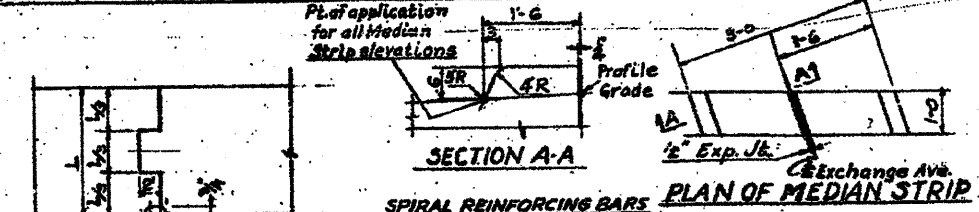
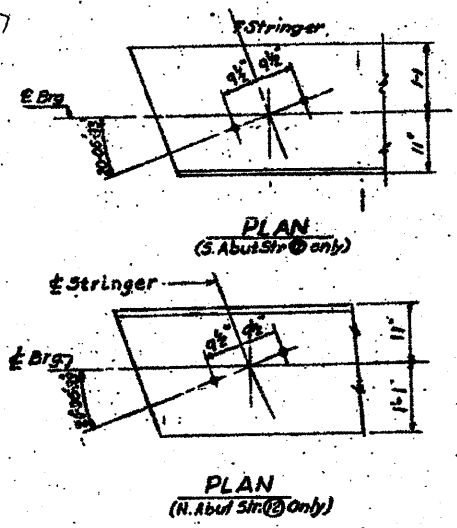
Mark	No. Req.	Size	Length	Shape
P501	2	5	40-4	
P502	2	1	35-0	
P503	6	1	5-11	
P505	144	5	11-0	
P801	2	8	40-7	
P802	3	8	41-3	
P901	2	9	35-3	
P902	56	9	16-2	
P903	9	9	38-11	
P1001	3	10	43-9	
P1002	2	10	45-0	
P1003	3	10	38-5	
P1004	2	10	37-7	
PF401	4	4	90-2	
PF501	79	5	19-8	
PF502	8	5	40-0	
PF503	12	5	38-3	
PF601	8	6	38-3	
PF701	19	7	7-8	
PF801	8	8	40-3	
PF901	56	9	7-6	

SOUTH ABUTMENT BAR LIST

Mark	No. Req.	Size	Length	Shape
A501	62	5	27-9	
A502	7	1	28-6	
A503	28	1	18-9	
A504	54	1	10-9	
A505	2	1	41-6	
A506	65	1	7-7	
A507	12	1	6-7	
A508	19	1	6-2	
A509	2	1	37-9	
A510	7	1	7-7	
A511	NOT	USED		
A512	NOT	USED		
A513	16	1	9-2	
A514	8	1	3-2	
A515	17	1	10-2	
A516	8	1	24-0	
A517	12	1	10-7	
A518	15	5	11-7	
A519	10	5	3-0	
A602	9	6	27-9	
A701	15	7	14-3	
A801	69	8	15-3	
A901	66	9	8-1	
A902	13	9	9-9	
F401	4	4	36-0	
F402	6	4	30-2	
F403	6	4	71-0	
F801	6	5	37-7	
F902	6	5	10-6	
F801	98	8	8-6	
F802	16	8	13-2	
F803	18	8	6-0	
F901	50	9	13-2	
F902	64	9	7-5	
F1001	11	10	10-1	
F1002	28	10	8-8	
F1101	188	11	8-7	

NORTH ABUTMENT BAR LIST

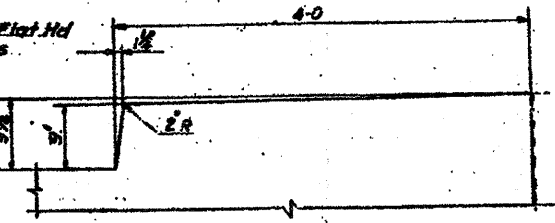
Mark	No. Req.	Size	Length	Shape
A301	26	5	23-0	
A302	19	5	23-3	
A303	27	5	33-6	
A304	51	5	10-9	
A305	2	5	41-6	
A306	2	5	33-4	
A307	27	5	22-3	
A308	71	5	7-5	
A309	18	5	6-0	
A310	18	5	6-9	
A311	NOT	USED		
A312	NOT	USED		
A313	4	5	28-3	
A314	8	5	3-2	
A315	11	5	12-2	
A316	36	5	13-9	
A317	9	5	11-4	
A318	2	5	10-5	
A319	8	5	24-0	
A320	3	5	25-0	
A321	20	5	2-6	
A601	6	6	23-9	
A602	3	6	33-8	
A603	21	6	15-0	
A701	76	7	6-6	
A801	40	8	10-10	
A802	75	8	9-3	
A803	76	9	12-9	
A804	30	10	8-0	
F401	4	4	35-2	
F402	6	4	29-9	
F403	6	4	13-0	
F501	6	5	33-2	
F502	6	5	13-0	
F701	140	7	10-6	
F801	16	8	15-2	
F802	47	8	16-8	
F803	137	8	8-3	
F1001	20	10	10-1	
F1002	23	10	10-6	
F1101	40	11	8-2	C
F1102	151	11	9-7	C



SPIRAL REINFORCING BARS

The "LENGTH" shown in the steel list for the spiral bars is the distance from the top of crashwall to the bottom of the pier cap. The "No. of TURNS" shown in the steel list for spiral bars is the "LENGTH" divided by the "PITCH" plus 3 turns (total number of closed coils), expressed as the nearest whole number.

Spiral reinforcing bars shall not have deformations, but shall in other respects conform to Article 124.18 of the Std. Specs. 1/2 closed coils shall be provided at the ends of each spiral unit. Four steel channels, tee or angle spacers, weighing approximately 0.68 lb. per lin. ft. of spacer, shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.68 lb. per lin. ft., will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.



RUSTICATION DETAIL

Cement Mortar Flat Hd. C.S. 11'0"12' cts. Vertical

NORMAL SECTION OF SIDEWALK

Note: Weight of spiral reinf. is included in total weight of reinf. for Pier.

SPIRAL BAR LIST

Mark	No. Req.	Core Dia. & Spacing	Length	Pitch	No. of Turns	Weight
3P401	7	25"	12-5	3 1/2"	45	1730

* 4 Bar

BILL OF MATERIAL - PIER

Description	Unit	Total
Class X Concrete	C.Y.	149.9
Reinforcement Bars	LB.	16080
Furnishing Concrete Piles	LF.	990
Driving Concrete Piles	LF.	990
Test Pile (Concrete)	Ea.	1

PILE DATA - PIER

No.	Capacity	Est. Length
33	31 Tons	30 Ft.

BILL OF MATERIAL S. ABUTMENT

Description	Unit	Total
Class X Concrete	C.Y.	318.2
Reinforcement Bars	LB.	28,050
Furnishing Concrete Piles	LF.	2640
Driving Concrete Piles	LF.	2640
Test Pile (Concrete)	Ea.	1

PILE DATA - S. ABUTMENT

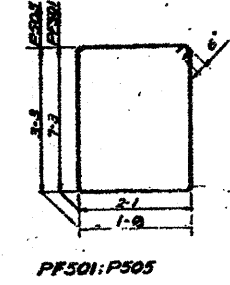
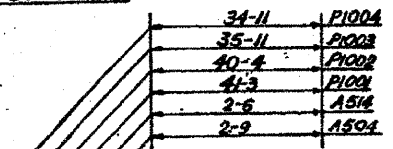
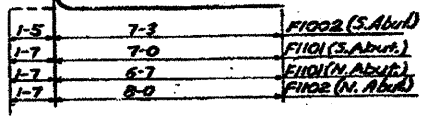
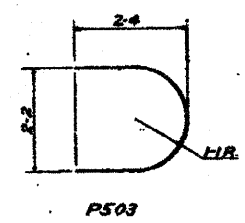
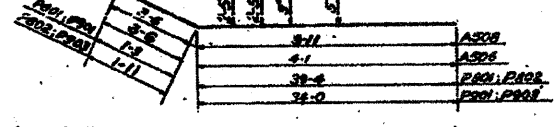
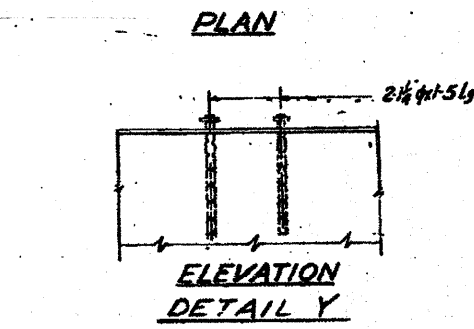
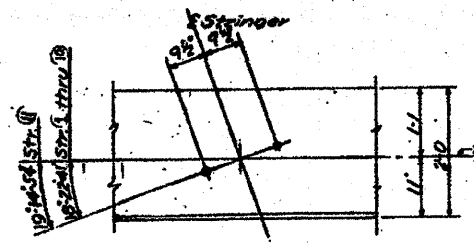
No.	Capacity	Est. Length
88	33 Tons	30 Ft.

BILL OF MATERIAL - N. ABUTMENT

Description	Unit	Total
Class X Concrete	C.Y.	434.7
Reinforcement Bars	LB.	36,310
Furnishing Concrete Piles	LF.	2940
Driving Concrete Piles	LF.	2940
Test Pile (Concrete)	Ea.	1

PILE DATA - N. ABUTMENT

No.	Capacity	Est. Length
98	36 Tons	30 Ft.



Designed by: B.S.T.
Drawn by: ES
Checked by: RMR

Note: For Pile Details see Sh. No. 15.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
&
CITY OF EAST ST. LOUIS
EAST ST. LOUIS EXPRESSWAY
EXCHANGE AVE. OVER EXPRESSWAY
NORTH ABUTMENT, SOUTH ABUTMENT,
PIER, BAR LIST AND DETAILS

H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

FOR INFORMATION ONLY