

 $= \frac{1}{2} + \frac{$

Re. Total Quant Str Steel from 17690.150" to 17674 325" 6-3-66 N.R.F.

- ---

INDEX OF SHEETS

SECTION 82-3 HVF & E-1

PLAN OF EXISTING CONDITIONS AND UTILITIES

RIGHT OF WAY PLANS (FOR INFORMATION ONLY)

LIST OF BENCH MARKS, TIES TO TRAVERSE LINE

KEY PLAN, GENERAL NOTES AND BILL OF MATERIAL

AND GENERAL PLAN OF TRAVERSE LINE

16 THRU 18 LIST OF COORDINATE POINTS AND DESCRIPTIONS

TITLE

INDEX OF SHEETS, SUMMARY OF QUANTITIES, GENERAL NOTES

SHEET NO.

2

3 AND 4

5 THRU 9

10

19

246

247

TITLE SHEET

11 THRU 15 ALIGNMENT PLANS

20 THRU 24 GENERAL PLANS

235 THRU 245 STRESS TABLES

25 THRU 43 PLAN AND ELEVATION

44 THRU 52 GEOMETRIC LAYOUTS

53 THRU 234 FRAMING PLANS AND STEEL DETAILS

BEARING ELEVATIONS

STANDARDS 1686-9 AND 2176-/ \$14.90ARD 2114

FOR INFORMATION

201065 RAILROAD PROTECTIVE SERVICES 034001 FURNISHING AND ERECTING STRUCTURAL STEEL POUND ZOID23 BRIDGE SEAT SEALANT

CODE NO.

ITEM 201398 ENGINEER'S FIELD OFFICE TYPE "A"

EACH

TOTAL QUANTITY L SUM

17,674,325

1

SUMMARY OF QUANTITIES SECTION 82-3HVF&E-1

> THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENTS: EAST ST. LOUIS AND INTERURBAN WATER COMPANY ILLINDIS POWER COMPANY SOUTHWESTERN BELL TELEPHONE COMPANY UNION ELECTRIC COMPANY WESTERN UNON TELECRAPH COMPANY

nnectors is not included in quantity of structural steel cing flange shear connectors is included in section 82:344D-1

IG PORTION

87.9% STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS INDEX OF SHEETS SUMMARY OF QUANTITIES GENERAL NOTES FAIRT.70 ST. CLAIR CO. SECTION 82-3HVF8E-I H.W. LOCHNER INC. SHEET H. W. LOCHNER, INC ENGINEERS CHICAGO, ILLINOIS

OF

sing flo

NEGATIVE PROFILE GRADES ARE IN THE DIRECTION OF TRAFFIC AND LOWER ELEVATIONS.

POSITIVE PROFILE GRADES ARE IN THE DIRECTION OF TRAFFIC AND HIGHER ELEVATIONS.

THE PROFILE GRADE LINE REFERS TO THE GRADE ELEVATION AT THE POINT SHOWN ON THE TYPICAL SECTIONS AND PLANS.

ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

GENERAL NOTES THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 2, 1939, THE SUPPLEMENTAL SPECIFICATIONS FOR HIGHMAY SCHILL EFECTIVE ARGULTINGS AND THE SUPPLEMENTAL SFETPORTIONS EFFECTIVE JANUARY 3, 1966.

....

SECTION FA.1 70 82-3HVF &E-I ST. CLAIR 247 FED. ROAD DIV. NO. 4 ILLINOIS PROJECT

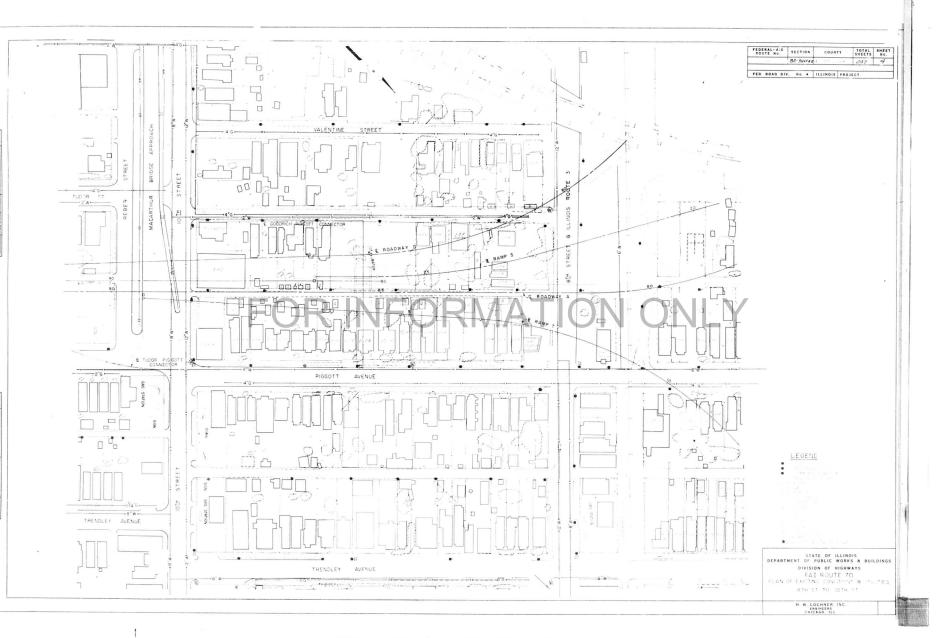
ROUTE NO.

·

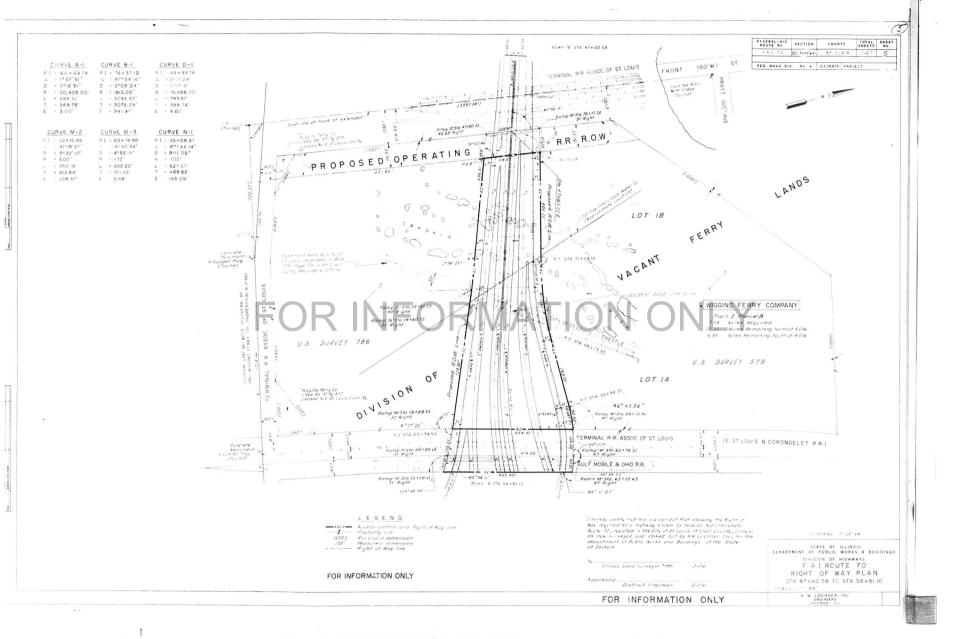
COUNTY TOTAL SHEET NO.



14.64



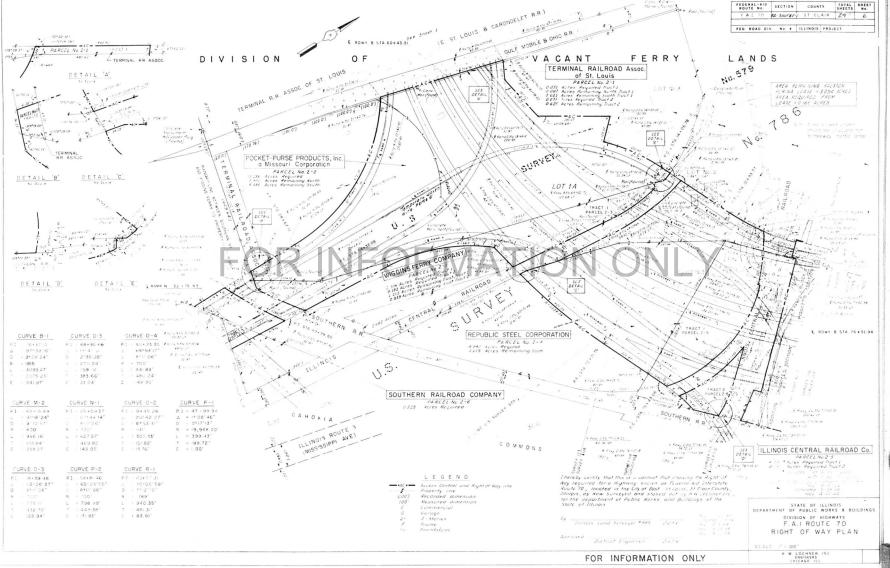
 $\begin{bmatrix} -5 \end{bmatrix} \begin{bmatrix} 0 \end{bmatrix} \begin{bmatrix} 2 \end{bmatrix} \begin{bmatrix} 3 \end{bmatrix} \begin{bmatrix} 1 \end{bmatrix} \begin{bmatrix} 0 \end{bmatrix} \begin{bmatrix} 1 \end{bmatrix} \begin{bmatrix} 1 \end{bmatrix} \begin{bmatrix} 0 \end{bmatrix} \begin{bmatrix} 1 \end{bmatrix} \begin{bmatrix} 1$

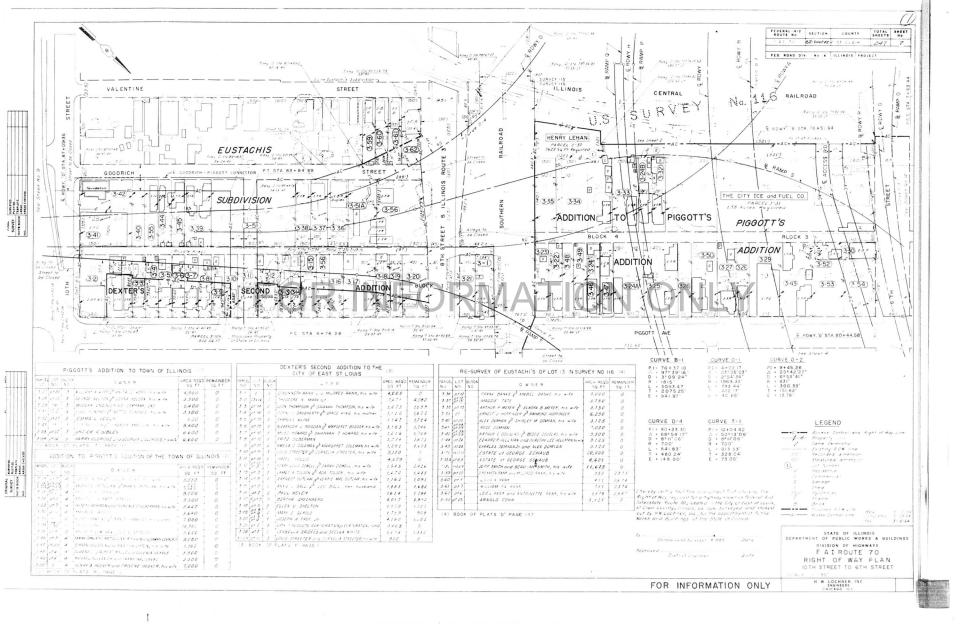


FINAL SURVEY NOTE BOOK REFAIL NOTE BOOK REFAIL NO

> FLOTTED FLOTTED FLOTTED FLOTTED

ORIGINAL SURVEY NOTE BOOK





an an My Martines and a star Martines and Anna Martines and Anna Martines and Anna Martines and Anna Martines a

B RAMP RAMP Romp 5 Sta 12+6195 47-Rt Garage Shed ISSERNINE WILL and EDGAR WILL, HER NUSDOND, and ROBERT H REED and DARLINE & REED his wife 4.800 162 4-26 014,05 4 snea 11/2 - Stories Frame Brick Brick Concrete Block Lot Number 11/2-R CURVE T-I RAMP'S CURVE B-1 CURVE 0-1 3,600 4.27 114.05 4 JOHN LAMBERT PI. • 4+02.17 = 23*05'03" D • 2*54'34" R • 1969.33' L • 793.44' T • 402.17' E • 40.65' $\begin{array}{rcl} PI &=& 10 + 04.42 \\ \bigtriangleup &=& 50^{+13} \cdot 06'' \\ D &=& 8^{+11} \cdot 06'' \\ R &=& 700' \\ L &=& 613.53' \\ T &=& 328.04' \\ E &=& 73.05' \end{array}$ P1 * 76+37.10 . 97°39'16" 0 * 3°09'24" R * 1815' L * 3093.47' T * 2075.25' E * 94197' 4-67) ARNOLD CONN 4-28 011 3 0 FRANK IRONS and DECILE IRONS, his wife 6,000 FLORENCE T MEREDITH 4,200 4-29 31.1 - Access Contro ISIAH ANDERSON and LOU ANNA ANDERSON, MIS wife 5,040 BLOCK 2 4-31 21 4.32 21.4 4,480 JONN W ATCHISON 4.30 HERBERT E. HOTTES 4.200 4.33 pt.8 3 4-38 pt 3 ALBERT JONES and MATTIE JONES, his wife 3,500 ADDITION Ε 100 4.39 pt.3 FUGENIA SICKAGE PL = 15+87.49 = 92*30'40" D = 8*11'06" R = 700' L = 1130.24' T = 731.37' E = 312.38' INTERSTATE BOND CO. 8.400 4.40 9 4-41 01 2 ELIZABETH CAMPBELL, et ol. 2.100 BEN ROWRY and VERDA B ROWRY, his wife 3.600 4.42 24 15 4 ROWY B SAM GELDSTEIN and MINNIE GELDSTEIN, his wife 4,800 EDWARD PHOLLMAN and DEROTHY LEE NOLMAN, his wife 3.360 4-43 14.25 4 RAMP RDWY (4-60) 4.44 013 3 4.36 ROSHELLE MARIE NELSON 4-61) 4-65 pt4 & ACCESS RD. 4-66 5 3 SYLVESTER COLEMANONALILLIAN COLEMANANOME 3,291 4-62 01-3 3 TRANK CASON OND MARY LUE CASON, HIS WITE 4,200 5,109 0 PAME 11 BOOK OF PLATS 'C, PAGES 3 4 8 315 & RDWY STA.80+44.58 EDGAR AME'S ADDITION TO EAST ST. LOUIS SUBD. BOWMAN'S SUBU AREA TONO REMAINDER 1191 ALL LOT BLOCK OWNER 4-40 50 1-SQ FT
 LATANCTTE ACESTER und MARY EMERSTERness
 3,500

 SAM GOLDSTEIN
 3,500

 EDMARD XMME and TATE XMVL ns nfe
 3,500

 REGERT JONES and NNA VESBITE
 3,500

 RATZ SUBERMAN
 3,500
 4-1 TOWN 80.19 (<u>4.63</u>) 4.2 01/3 SAM GOLDSTEIN a UBD (4-33) 4.7 4.8 4-11 (4-12) 4.15 4-3 of 14 4-45 3 9 1 CO # 4.16 4.17 4.18 4-4 2114 4.46 4-48 (449) (1-49) \$ \$ 10.52 4.5 pt.15 4.34 (4-64) ROBERT HUDSON JA ONE MAGGIE MUDSON, MIS WILE 3,500 WILLI MAE BROWN 3.500 a 4-7 2.16 4-47) EDGAR AMES OF 1-8 pt 16 АLBERTA И SLLIOTT ON GUINTON SLLIOTT NET MUSSOND 3.500 РИЦИР И СОИМ Jr. 3,500 P.C. STA H+56.12 16' SHIFT A.A. BLOCK 3 4.9 2.2 PHILIP H. COHN Jr. STANLEY WEREGEROWICZ CONTRACT WAL GREGOROWICZ MINE 7,000 TA 12+89.91 BLOCK 4 51.90 BLO: 127100 4-10 1 Remo 5 50 4 4 10 BRUCE H LEW and LOUIS & MITAUER 4-53 426 5 4-28 ADDITION JEREMIAH LEHAN and MARY LEHAN, his wife 1,669 10 ALBERT A HEQUEMBOURG and t, o 6 A.M ALBERT A HEQUEMBOURG UND CATHERINE R HEQUEMBOURG INS WITE 7,000 49 421 4-4 423 420 422 1425 4-9- (4.10) SAMUEL STENART OND UTINE STENARTHING 3, 500 100 4.49 0112 10 E TH 티 4-20 4-30 (4-31) in 0 3,500 EI SIERON 424 Grand Basalah and FMAN 2251/24, ter halden (4-59) (427) ACT 4.32 4.65 iel -EMMETT PARELE 2-22 4.43 1.28 4.5 (4-39) WILLIAM R REIDMAN JOSEPHINE DUPREE 567 + 100 ACT 31 BIRL NICHOLSON and LANDE LE AVE 40. SOMASANE 2. 478 Point of Access TRENDLEY AVENUE CHARLIE ANN ROBERSUNGELSIE DROBERS 2.590 HAROLD & BAKER 7,000 Ser 8-5-64 -5 pred 5-28-64 Rev 3-18-64 rev 3-18-64 rev 2-6-64 19 ____ The edge config mortang is a correct Rule schwarg free Buder we way requires free hydroxy ensers as Recent Ard Interstate Rauke 32, assess interesting of Sant Schward and Sant Caurty, Jamas, as non-see a schward and bud and bud Ard and Caurty, the the geogetiment of Public Korss and Buildings of the State of Jamas E REWY B STA 84+37.03 PIGGOTT'S ADDITION TO THE TOWN OF ILLINOIS (3)
 INCLUST LINCE
 O W II E P
 AREA RECORDERATION

 NO
 VO. NO
 SU. II E P
 SU. FT
 SU. FT

 F36_prilo
 2
 INOMAS LEWIS and JANIGE LEWISbrande
 S. F. O
 O
 STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BUILDINGS DIVISION OF HIGHWAYS F A.I. ROUTE 70 RIGHT OF WAY PLAN ICRR TO TRENDLEY AVENUE Approved District Engineer Dute' H W LOCHNER, INC ENGINEERS HICAGO ILL FOR INFORMATION ONLY

LEGEND

1,

Kccss control and Right
 Property interscore
 Source Ownership
 Existing R OW interscore
 Lot Number
 Residential
 Commercial
 German

ILLINOIS

-11-

1

ŧ٩.

(00)

Τ.

CENTRAL

PCC STA 7+93 44

1

PIGGOTT'S

Ramp 5 50 13 - 24.82

FRANK B BOWMAN SUBDIVISION OF LOTS 9 & IO IN BLOCK 3 OF THE PLATTED TOWN OF ILLINOIS

FRANK B BOWMAN SUBDIVISION OF LOTS 68 7 IN BLOCK 3 OF THE PLATTED TOWN OF ILLINOIS

ONNER

 IN BLOCK

 PRIES
 LOT BLOCK
 O W N E R

 NO
 NO
 NO
 PRIES

 V
 C
 PRIES
 LOT BLOCK

RUBILEE WEIML IDA MAE HIGGINS

(5) BOOK OF PLATS B, PAGE 104

TOWN OF ILLINOIS (1)

PLEAS JONES and CLARA JONES, his wife 3,150

DEPH L GEROLD ON MARGARET L GEROLD, No. 4 5.2 50

TAMMIE WARE and LUEELLA WARE, his wife 2,800

ETHEL STACK and CATHERINE IRENE O'LEARY 280 DEVETTED COLEMAN 5.320

PEARL REASON MEALLISTER and PETE REASON, her son 4,900

HARRY THOMAS and MAMIE THOMAS his wife 3,500 FRITZ SILBERMAN 8,400

VOICE PREATHER and CORA ANN PREATHER DO W Fe 2,100 GASTON DAON 2,100

ALCING DIACH AICHARD PAYNE UND PLULA PAYNE, MIS WIFE 6,200 CONSTANT THE U. REBECCA L MILL 2,100 DAVID CINPAD UND TRESSIE LEE CONRAD, MIS WIFE 4,200

MAURICE COPILEVITZ and ROSE COPILEVITZ, his wife 4,200

OWNER

REVETTER COLEMAN

FRITZ SILBERATAN

HERBERT E. HOTTES

GROED LOT BLOCK

4-14 pt.8

4-16 pt.

4-19 01

4.22

N01

111

0 0

4-24 or 3

4-25 pt 3

AREA REQD REMAINDER

SQ FT SQ F

4,200

PARCEL LOT BLOCK .

4.64 1.

445 3 - ELLA H DEBIKE

(4) BOOK OF PLATS 'B, PAGE 104

(4)

SQ FT SQ FT

AREA REQ'D REMANDER

AREA REQ'D RE MAINDER

2.959 3.001

SO FT. SO FT

....

6.000

7,800

3.000

8

TOTAL SHEET SHEETS NO.

ROUTE NO SECTION COUNTY

FED ROAD DIV No 4 ILLINOIS PROJECT

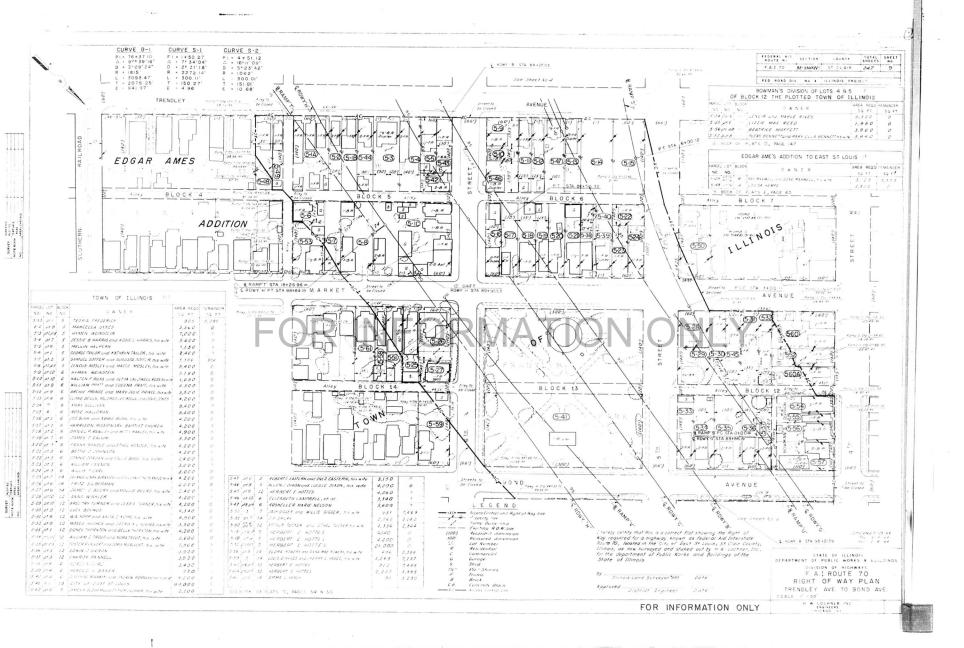
RAILROAD

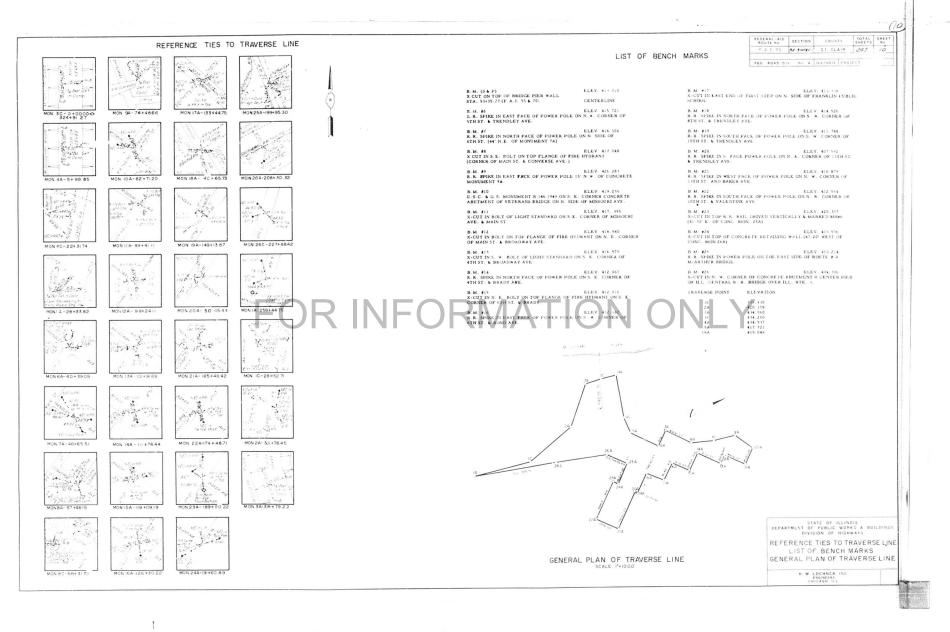
 $i \geq i$

64

-

FAI TO BE-SHUFFEY ST CLAIR 247 8



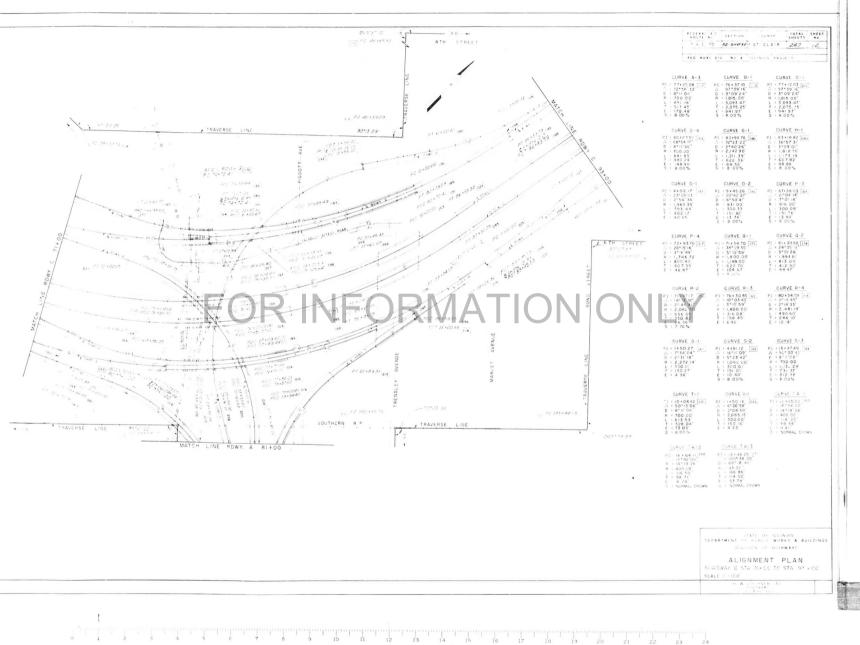


1

State State

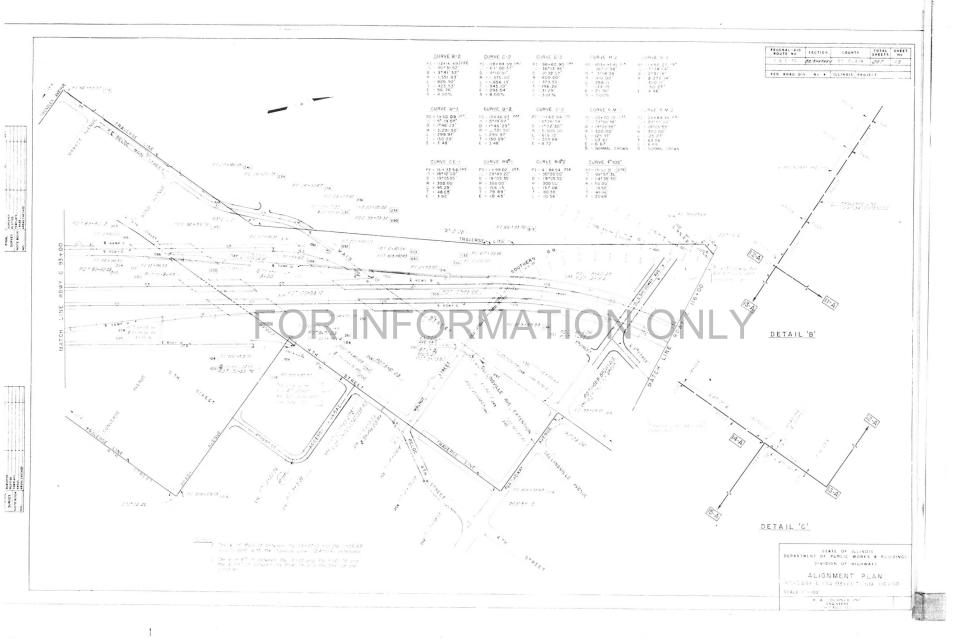


0 1 5 3 4 5 6 7 9 9 10 11 12 13 14 15 16 17 18 19 19 19 10 11 12 13 14 15 16 17 19 19 20 21 22 23 24

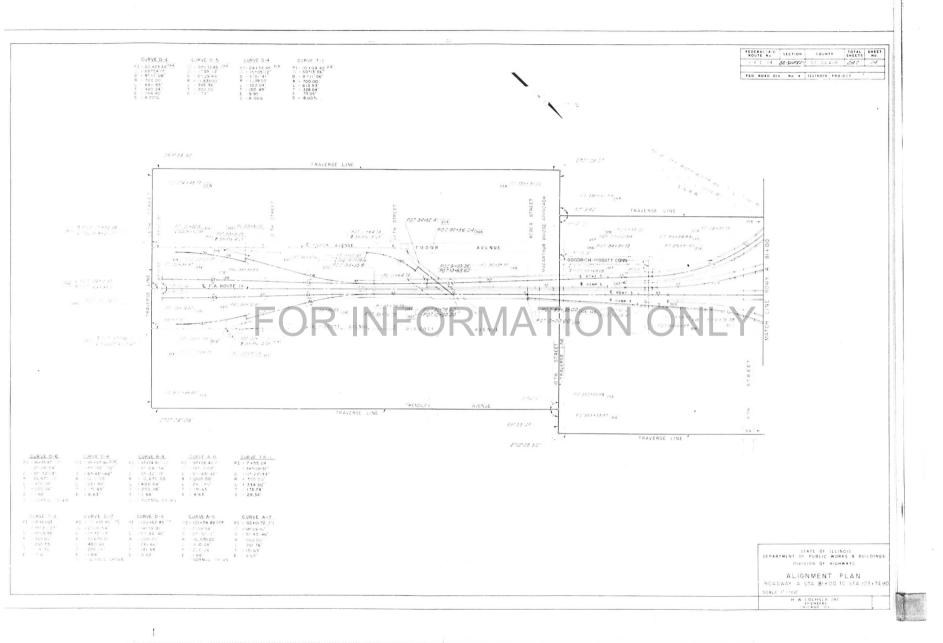


9 10 11 12 13 14 15 16 17 10





Street,

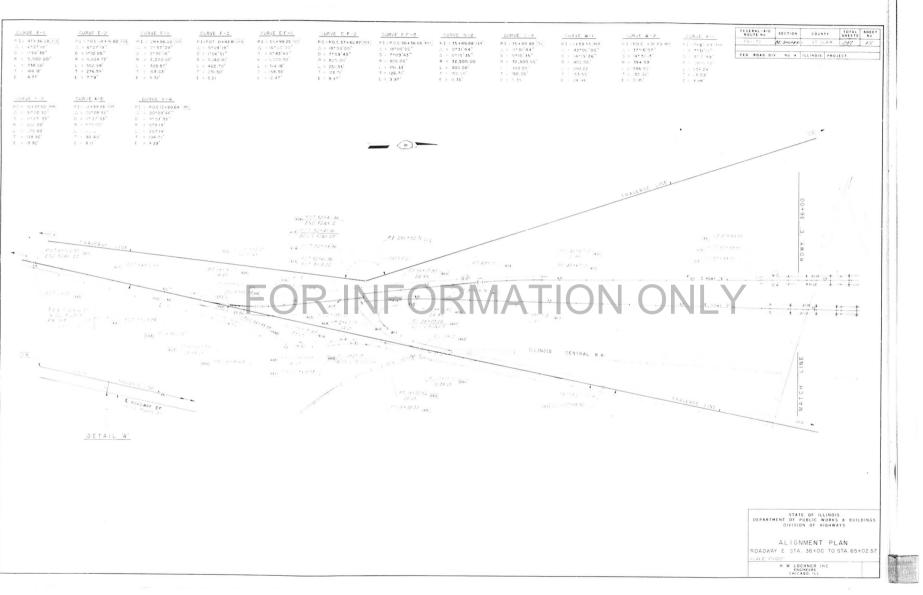


A. A.

1

.

ſ



.

 \backslash

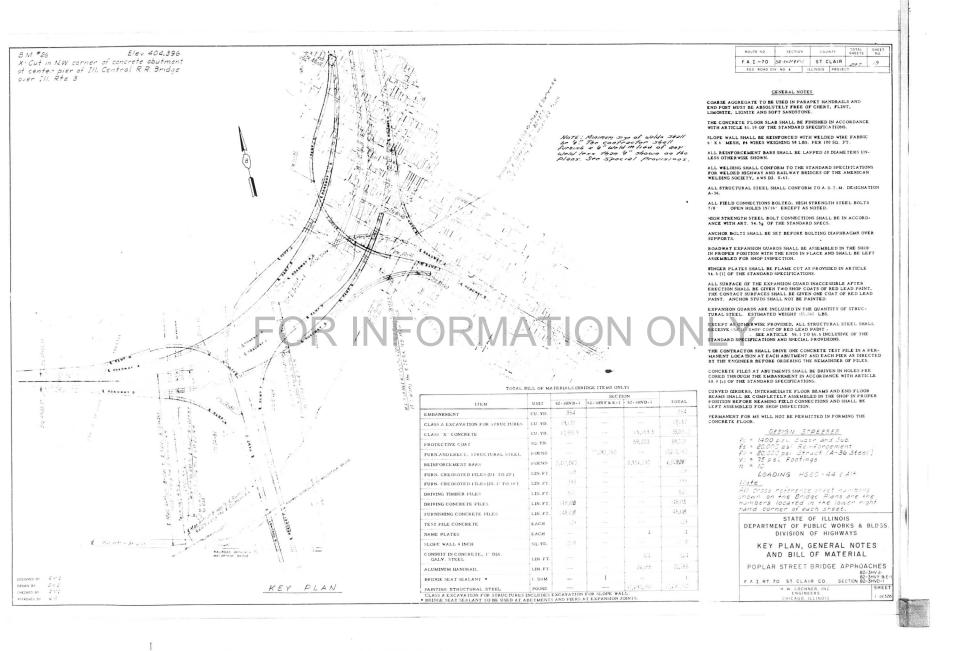
														FEDERAL-AID ROUTE No.	SECTION COUNTY TOTAL SHEET NO.
			-	POINT	2008			POINT	COORDI	ATE	1				82-3NUFFE ST CLAIR 247 16
POINT CODE NO	NORTH	EAST	DESCRIPTION	CODE NO			DESCRIPTION	CODE NO	NORTH EAST		DESCRIPTION	_	L	FED. ROAD DIV	No. 4 ILLINOIS PROJECT
		TRAVERSE	POINT LOCATIONS			ROA	DWAY "A"			ROADW	AY D				
1-A	3,585.015	31, 748. 167	TRAVERSE POINT	017	9,670.926	33, 450, 174	P.I. CURVE A-3	062	9,004.502	33,045.131	NOSE RDWY "D' & RAMP Q"				1
1-C	5,770.707	32,060.956	TRAVERSE POINT	018	9,289.695	33, 800. 0.1	P. T. CURVE A-3	963	9,076.907	33, 262. 474	P.C. CURVE D-4	POINT CODE NO	COORD	EAST	DESCRIPTION
2-A	7,707.391	31, 473, 777	TRAVERSE POINT	019	9,017.044	34,050.227	P.O.T. RDWY. "A" NOSE 20' LT.	064	9,267.890	33,703.106	P.I. CURVE D-4			ROADY	чау "Н"
3-A	8,827.340	30, 191. 148	TRAVERSE POINT	020	9,030.566	34.064.963	NOSE RDWY. "A" & RAMP "T"	065	8,925.526	34, 039. 882	P. T. CURVE D-4	100			1
3-C	9,438.510	30, 227. 520	TRAVERSE FOINT	021	8, 198. 565	34,801.328	P.C. CURVE A-4 8 6	066	8,853.313	34, 110. 916	P. O. T. RDWY. "D" NOSE 19' LT.	101	10, 373. 793	33,961.554	F.O.T. RDWY. H
4	10,030.665	30, 323. 293	TRAVERSE POINT	022	6,051.162	34,936.596	P.I. CURVE A-4	068	8,866.638 8,461.458	34, 124. 461 34, 496. 376	NOSE RDWY "D" & RAMP "S"	102	10,734.205	34,032.453	P. O. T. RDWY. "H" NOSE 20' LT.
4-C	9,673.297	31,	TRAVERSE POINT	623	1, HUR. 235	75,177.095	P.R. C. CURVE A-4 & 5	069	8, 318. 877	34, 636. 630	P.C. CURVE D-5 P.I. CURVE D-5	103	10,738.063	34,012.828	NOSE RDWY. "H" & RAMI- "V"
5-A	9,676.088	32,517.645	TRAVERSE FOINT	024	1.744 707	35,217.393	P.I. CURVE A-5	070	8, 171. 519	34, 771. 857	P.C.C. CURVE D-5 & 6 5 5	103	11,614.254	34,205.572	P. O. T. RDWY. H' B SHIFTS 14' RT. TO 104
6-1	10, 495. 902	33, 401. 150	TRAVERSE POINT	025	7,619,505	35,353.261	P.T. CURVE A-5	071	8,024.117	34, 207, 125	P.L. CURVE D-5 6 6 6 6	104	11,611.552	34,219.309	P.C. CURVE H-2
7-A	10,957.004	32,977.137	TRAVERSE POINT			ROA	DWAY "B"	072	7,671.748	35,036.772	P.R. C. CURVE D-6 4 7	105	11.743.077	34, 245. 182	F.I. CURVE H-2
8-A	11, 693. 731	33, 767. 717	TRAVERSE POINT	026	9,531.766	30,003.011	P. O. T. BEGIN RDWY. "B"; BEGIN	073	7,719.379	35,165,419	P.R. C. CURVE D-6 # 7	106	11,737.272	34,266.446	P. O. C. RDWY. "H" NOSE 29" LT.
8-C	12, 543. 360	34, 017. 374	TRAVERSE POINT	02.7	9,061.065	31, 387.008	RDWY. "A 24' LT. P.C. CURVE B-1	074	7, 571, 977	35, 165, 419	P.I. CURVE D-7 P.T. CURVE D-7	107	11,751.762	34,241.320	NOSE RDWY. H & 4TH ST.
9-A	13, 343. 702	34, 181, 317	TRAVERSE POINT	028	8, 192.855	33, 351.732	P.I. CURVE B-1		1, 11, 211	53, 501, 697	F.I. CONTE D.I	108	11,833.916	\$4, 343.755	P. T. CURVE H-2 END RDWY. H
10-A	13,769.335	34, 885. 169	TRAVERSE FOINT	02.9	10,429.078	33,752.290	P.T. CURVE B-1			ROA	DWAY TET				
11-A	13,276.149	35, 338. 540	TRAVERSE POINT	0 3 0	12,084.459	34,077.930	P. O. T. RDWY. B NOSE 27' LT.	075	8,062.906	32, 133.039	NOSE & BEGIN ROADWAY			and the second se	MP M
12-A	12,677.995	34,689.002	TRAVERSE POINT	031	12,089.671	34,051.437	NOSE ROWY 'B' & RAMP U	076	7,263.307	32, 105.853	P. O. T. RDWY, E END RAMP 'N	109	7, 560. 147	32,216.633	P.C. CURVE M-1 BEGIN RAMP M
13-A	12,406.926	34, 937. 255	TRAVERSE POINT	0.12	12, 526. 713	34, 164, 928	P.C. CURVE B-2		-	•	12' RT. END RAMP "O" 12' LT.	110	7,759.505	32,228.652	F.I. CURVE M-1
14-A	11,741.037	34, 211.759	TRAVERSE FOINT	033	12,942.279	34,246.676	P.I. CURVE B-2			ROA	DWAY	111	7,959.065	32,236.680	P.T. CURVE M-1
15-A	11,203.440	34,709.666	TRAVERSE FOINT	034	13,258.700	34, 528.201	P.C.C. CURVE B-2 & 3	077	8, 357, 753	32, 276. 740	NOSE & END ROADWAY	112	8,358.718	32,252.759	P.O.T. RAMP M NOSE 24' RT.
16-A	10,714.228	34, 179. 991	TRAVERSE POINT	035	13, 787.672	34, 998. 836	P.I. CURVE B-)	078	7,559.424	32, 228. 611	P. O. T. RDWY. F BEGIN RAMP M	113	8,560.973	32,260.896	F.C. CURVE M-2
17-A	10,188.208	34,663.578	TRAVERSE POINT	036	11,942.851	15, 689. 652	P.T. CURVE B-3				12' LT. BEGIN RAMP "P" 12' RT.	114	8,788.678	32,225.787	P.O.C. INT. B'. RAMP 'M & RDWY D
18-A	9,692.583	34, 139. 968	TRAVERSE POINT	0 17	13,977.261	35,842.835	P. O. T. END RDWY. "B"			ROA	DWAY "G"	115	8,872.468	32, 188. 084	P.O.C. INT. 2'. RAMP M & RAMP O
19-A	9,068.283	34, 714. 069	TRAVERSE POINT					079	9, 722, 515	33, 140. 019	NOSE & P.C. CURVE G-1 BEGIN	116	8,914.692	32, 162. 744	P.O.C. INT. & RAMP M & RDWY C
20-A	9,005.467	14, 646, 499	TRAVERSE POINT		- (ROAL	WAY 'C'	\mathbf{K}			RDWY. "G"	117	8,970.590	32, 121. 155	P.O.C. INT. 2's RAMP "M' & RDWY 'B'
21-A	7,871.390	35,688.703	TRAVERSE POINT	0.38	9,501,471	29.992.707	P.O.T. BEGIN RDWY. C'; BEGIN RDWY. 'D'-24' RT.	080	10, 173.819	33, 568. 565	P.L. CURVE G-1	118	9,174.319	32,285.573	P.I. CURVE M-2
22-A	7,261.928	35,023.359	TRAVERSE POINT	039	9,243.878	30, 750, 102	P. O. T. RDWY. "C ' NOSE 20' RT.	081	10, 390, 904	33, 571, 150	P. O. C. RDWY. "G"; BEGIN RAMP "O" 12' LT.; END RAMP "R"	119	9,103.040	31, 964.252	P.O.C. INT. & RAMP M' & RDWY A
23-A	8,398.236	33,981.698	TRAVERSE POINT	040	9,224.943	30, 743. 662	NOSE ROWY. "C" & ROWY. "D"				12' RT.	120	9,114.796	31, 943. 187	P.O.C. INT. 2's RAMP 'M & RAMP R
2 1 - A	8,513.438	34, 107.622	TRAVERSE POINT	041	9,006.642	31, 447. 643	P.C CURVE C-1	082	10,784.471	33,688.690	P. T. CURVE G-1 & SHIFTS 12' LT. TO 083	121	9,185.002	31,671.824	P. T. CURVE M-2 & SHIFTS 16' RT. TO 122
25-A	9,132.298	33, 547. 932	TRAVERSE POINT	042	8,338,433	33, 412. 368	P.I. CURVE C-1	083	10,786.787	\$3,676.916	P. O. T. RDWY. "G" NOSE 8' LT.	122	9,200.999	31,672.102	F.O.T. RAME M
26-A	8,558.278	32,941.500	TRAVERSE POINT	045	10,374.655	31,812.925	F.T. CURVE C-1	084	10,788.331	33,669.066	NOSE RDWY. "G" & RAMP "S"	123	9,205.624	31, 406. 420	P.C. CURVE M-3
26-C	6,654.239	32, 484. 566	TRAVERSE FOINT	046	12,542.256	14,239.327	P.C. CURVE C-2	085	11, 375. 504	33, 792. 726	P. O. T. RDWY. "G" NOSE 19' RT.	124	9,208.251	31,255.515	F.I. CURVE M-3
	(CONTINUES		T) DWAY A	047	13,469.675	34, 421.765	P.I. CURVE C-2	086	11, 371. 837	33, 811. 368	NOSE RDWY "G" & RAMP "U	12.5	9,246.127	31, 120, 713	P. O. C. RAMP "M" NOSE 19' LT.
001	9, 554, 488	30,010.739	P.C. CURVE A-1	048	13,631.545	35, 352.994	P. T. CURVE C-2	087	11,751.131	33,866.618	P. O. T. RDWY, "G" B SHIFTS 14' RT.	126	9,249.024	31, 110, 199	P. T. CURVE M-1
002	9,441.860	30, 310, 739	P.L. CURVE A-1	049	13,670.326	35, 576. 100	F. O. T. END RDWY "C"				TO 088				
001	9, 340. 648	30, 576, 723	P.T. CURVE A-1					088	11,748.429	33,880.354	P.C. CURVE G-2			RAM	
004	9,209.599	31,110.253	P. T. CURVE A-1 P. O. T. RDWY. A NOBE 19' LT.	050			WAY D	089	11,941.019	33,918.240	P.I. CURVE G-2	12.7	9,027.324	31, 167.486	P. O. T. BEGIN RAME 'N
005	9,227,787	31, 115, 751	NOSE ROWY, A & RAMP M	050	9,478.749		P.C. CURVE D-1; BEGIN RDWY. D	090	11,940.444	33,954.053	P.O.C. RDWY. "G' NOSE 32' LT.	128	8,814.404	31.652.966	F.O.T. RAMP 'N' NOSE 24' LT.
005	9,227.787	\$1, 203, 570	P.C. CURVE A-2	052	9,350.038	10, 363. 427	P.I. CURVE D-1	091	11,956.861	33,926.586	NOSE RDWY. G & RELOC. MAIN	129	8,794.560	31,698.214	P.C. CURVE N-1
007	8,955,809	31, 249, 832	P.L. CURVE A-2	053	9,206.298	30, 736, 426	P. T. CURVE D-1	092	12,073.982	34,062.625	P. T. CURVE G-2 END RDWY. "G"	1 30	8,605.857	32,128.476	P.I. CURVE N-1
008	9,280.580	31, 749, 832	P.D. CURVE A-2 P.O.C. RDWY, A'NOSE 19'LT.	054	8,908,671	31, 508, 701	P. O. T. RDWY. D NOSE 20' LT. F. C. CURVE D-2			ROA	DWAYH.	131	8,136,177	32, 116.847	P.T. CURVE N-1
009	9,280.580	32, 645, 665	NOSI ROWY, A & RAMP R	055	8,855.631	31, 668, 038	F. O. C. RDWY. 'D' NOSE 20' RT.	093	9,264.459	33, 358. 652	NOSE & P.C. CURVE H-1 BEGIN	132	8,063.351	32,115.044	P.O.T. RAMP 'N' NOSE 18' LT.
010	9,291.246	12, 651, 592	I. T. CURVE A-2	056	8,835.334	31,662.605	NOSE RDWY D' & RAMP 'N'				RDWY. "H"		7,563.587	32, 102.670	P.C. CURVE N-2
011	9,448.297	12,981,090	P. C. CURVE A-3	057	8,765.306	31,880.787	P.I. CURVE D-2	094	9,670.480	33,810.971	P.I. CURVE H-1	134	7,413.630	32,098.957	P.1. CURVE N-2
012	9,516.340	12, 983, 090	F.O.C. INT. B + RDWY. A & RDWY. B	058	8,791.367	32,278.692	P.C.C. CURVE D-2 & 3: BEGIN	095	9,916.916	33,821.977	P. O. C. RDWY. 'H'; END RAMP 'P' 12' LT.; END RAMP 'Q' 12' RT.	135	7,263.714	32,093.860	P. T. CURVE N-2 END RAMP 'N'
013	9,509.797	11, 380. 221	F.O.C. INT. 3 . RDWY. A & RDWY. C	059	8,816.44)	12, 661, 531	RAMP "Q" 12' LT.	096	10,049,688	33,871.447	L.I.; END RAMP "Q" 12' RT. P. O. C. RDWY. "H" NOSE 19' RT.	•			
014	9,469.823	33, 535, 340	P.O.C. INI. SARDAL A & RDAL C	060	8,969,015		P.I. CURVE D-3	097	10,043.752	33,859.496	NOSE RDWY H & RAMP T			DEPART	STATE OF ILLINOIS MENT OF PUBLIC WORKS & BUILDINGS
015	9,464.140	33, 549, 676	P.O.C. INT. S & RDWL A & RAMP P	061	8,986.151	33,053.085	P. T. CURVE D-3 P. O. T. RDWY D NOSE 20' LT.	098	10,266,870	33, 928, 290	P. T. CURVE H-1; END RAME 'T' 24' RT.			DET ART	DIVISION OF HIGHWAYS
015	9,458,229	33, 544, 676	P.O.C. INT. 2'S RDWY. A & RAMP 'Q		4,100.133	-1, 033. 085	P. 0. 1. 60 81 D HOLE CV L1.	099	10, 376, 109	33, 928, 290	P. O. T. RDWY. "H" & SHIFTS 12' RT.				LIST OF COORDINATE POINTS
913	1,130,001	1.1.1.1.1.1.000	The second second second second								P. O. T. RDWY. 'H' & SHIFTS 12' RT.				AND DESCRIPTIONS
			1	1											
															H. W. LOCHNER, INC ENGINEERS

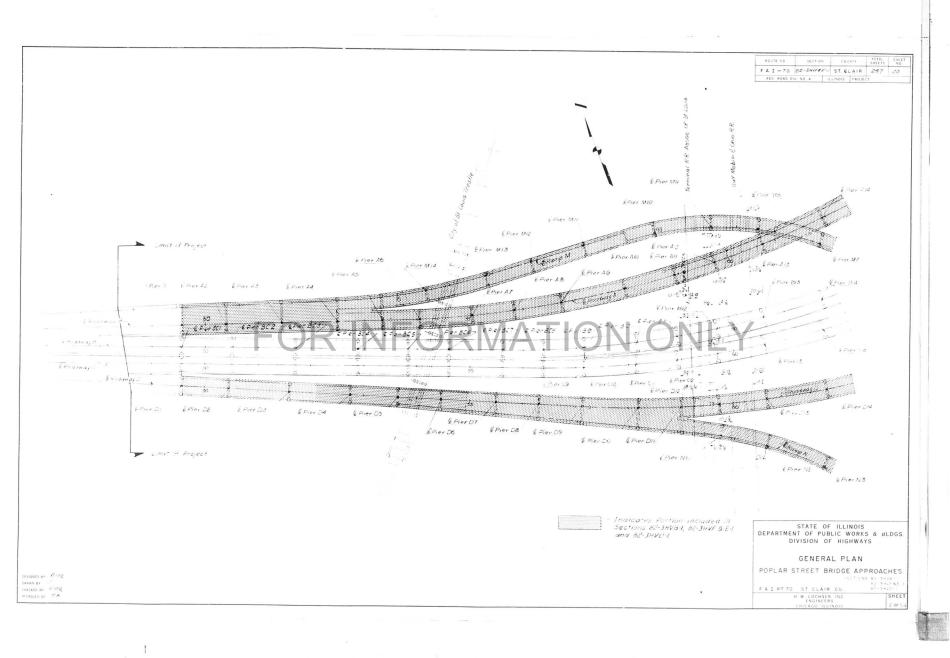
T () () () () () () () () () () () () ()	BA 1	1.1. CURVE 0-1 P.C. C. CURVE 0-1, 2. NONE 24 LT. P.T. CURVE 0-2 P.O.T. RAMP 0-2 SHEFTS 16 LT. P.C. CURVE 0-2 P.O.T. RAMP 0-2 SHEFTS 16 LT. P.C. CURVE 0-4 P.C. CURVE 0-4 P.T. CURVE 0-	E DOUBYS E DOUBYS 189, 191 194 194 194 194 194 194 195 194 195 194 195 194 195 194 195 194 195 194 195 195 196 197 198 197 198 198 198 198 198 198 198 198	NOR THE CONCLUS	RAMP P 13, 145, 821 33, 157, 423 31, 266, 529 33, 153, 884 31, 489, 564 33, 582, 266	DESCRIPTION	POINT CODE NO 222 223 224 225 225 225 225 225 225 227 228 227 228 229 231 232 235 235 235 235 235 235 235 235 235	COURD NORTH 11, 165, 401 11, 222, 450 11, 675, 179 10, 442, 781 10, 590, 116 10, 799, 774 11, 240, 582 11, 599, 126 11, 240, 582 11, 999, 428 11, 903, 429 12, 677, 994 11, 963, 594 11, 965, 594 11, 465, 594 11, 465, 594	EAST RAMP 33, 829, 874 33, 743, 077 33, 758, 107 RA 33, 950, 685 33, 979, 648 33, 979, 648 35, 979, 648 35, 979, 648 35, 979, 648 35, 979, 648 35, 979, 648 15, 017, 011 14, 033, 037 14, 078, 318 14, 118, 129 <u>PELOGATE</u>	 F. C. CURVE U-2 F. L. CURVE U-2 F. CURVE U-2 END RAMP_U⁺ MP_V⁺ 	POINT CODE NO 2657 2649 270 271 272 273 274 275 275 275 275 275 275 275 275 275 275	NORTH 9, 754, 163 9, 761, 759 9, 661, 844 9, 597, 223 4, 511, 981 9, 662, 256 11, 745, 082 11, 745, 082 11, 745, 082 11, 752, 058 11, 672, 256	RIINATE EAST TRENDLE 33,249,097 33,259,097 33,259,267 33,155,755 33,155,755 33,155,755 33,155,755 34,454,874 44,652,465 44,652,366 44,652,366 <u>RELOCAT</u>	DIV NO 4 (11100) PROJECT DESCRIPTION YACCESS ROAD PC. CURVE T.AE P.I. CURVE T.A2 P.I. CURVE T.A2 P.C. CURVE T.A3 P.I. CURVE T.A3 P.R.C. CURVE T.A3 P.R.C. CURVE T.A3 P.R.C. CURVE T.A3 P.R.C. CURVE T.A3 P.R.C. CURVE T.A3 P.R.C. TO FTH ST. & 4TH TO STH ACCESS ROAD P.I. 4HI TO STH ACCESS ROAD P.I. 4H
	24 15,440,031 72 15,408,043 72 15,408,043 84 15,113 92 15,215,126 84 12,876,744 12 87,151,126 84 12,876,744 12 87,174 12 12,202,844 12 12,202,844 13 12,202,844 14 12,120,144,912 12 12,120,44,912 14 12,120,144,912 15 12,120,44,912 16 12,127,44,912 17 12,120,44,912 18 12,127,44,912 19 12,127,44,912 19 12,127,442 10 12,122,40,402 11 12,242,40,402 12 12,242,40,402 102 12,242,403,402 11 12,242,403,402 12 12,242,403,402 12 12,242,403,402 12 12,242,403,402 12 12,242,403,4	1C. CURVE 0-1 BEGIN RAMP '0 1CURVE 0-1 P.C.CURVE 0-1 & 2 NORE 24 ET. P.C.CURVE 0-2 P.T.CURVE 0-2 P.T.CURVE 0-2 P.T.CURVE 0-3 P.C.CURVE 0-1 P.C.CURVE 0-4 P.C.CURVE 0-1 P.C.CURVE 0-3 P.C.CURVE 0-4 P.CURVE 0-4	10 10 10 10 10 10 10 10 10 10 10 10 10 1	9,705,997 9,820,897 9,820,897 9,850,082 10,158,484 10,158,484 10,158,437 10,158,437 10,158,139 10,158,10,15910,159 10,	10, 145, 821 11, 157, 424 11, 157, 424 11, 157, 484 13, 157, 484 14, 158, 244 15, 258, 254 11, 448, 544 13, 458, 544 14, 448, 544 15, 448, 544 15, 448, 546 15	P. T. CURVE R.2 NOR P'LT. & SUFFS 10'RT. TO INI P.C. CURVE R-1 P.C. CURVE R-1 P.C. CURVE R-1 P.C. CURVE R-1 P.T. CURVE R-4 P'T. CURVE R-4 P'T. CURVE R-4 P'T. CURVE S-1 P.C. CURVE S	223 224 225 226 227 228 229 231 231 235 235 236 237 235	11,222,450 11,075,179 10,442,781 10,799,781 11,291,888 11,290,882 11,599,428 11,993,479 12,677,994 11,943,479 12,677,994 11,945,009 11,945,009 11,945,009 11,945,009 11,945,009 11,945,009 11,945,009 11,485,00000000000000000000000000000000000	11, 829, 574 13, 749, 707 13, 758, 107 13, 758, 107 13, 758, 107 14, 075, 051 14, 075, 051 14, 075, 051 14, 075, 102 14, 158, 129 <u>ALLOCATE</u> 14, 587, 002 15, 417, 102 15, 417, 102 15, 417, 102 15, 571, 422 15, 771, 429 15, 771, 439 15, 771, 775 15, 771, 775 15, 771, 775 15, 775	F. G. CURVE U-2 F. G. CURVE U-2 F. CURVE U-2 F. CURVE V-1 F. CURVE V-2 F. CURVE R-2 F. CURVE R-4 F. CURVE R-4 F. CURVE R-4 F. CURVE R-4	CODE NO 261 264 270 271 272 271 272 273 274 275 276 276 277 276	NORTH 9, 754, 163 9, 761, 759 9, 661, 844 9, 597, 223 4, 511, 981 9, 662, 256 11, 745, 082 11, 745, 082 11, 745, 082 11, 752, 058 11, 672, 256	EAST TRENDLE 33, 249, 057 33, 249, 057 33, 249, 057 33, 249, 257 33, 215, 225 33, 115, 245 33, 115, 245 34, 115, 245 32, 440, 440 32, 440, 248 RELOCAT 34, 942, 349 14, 942, 349 14, 945, 248	Y ACCESS ROAD P. C. CURVE T.A E P. I. CURVE T.A 2 P. T. CURVE T.A 2 P. T. CURVE T.A 2 P. T. CURVE T.A 3 P. C. CURVE T.A 3 P. R.C. CURVE T.A 3 P. T. 4TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD ED 2ND STREET § INTS. OF MISSOCRE & RELOC. 200 ST. P. C1 RELOCATED 2ND STREAT
	1 1 4.00 9.4.1 1 1.1.1 1.2.1 1.2.1 1.2.1 1 1.2.1 1	1.1. CURVE 0-1 P.C.C. CURVE 0-1 22 NONE 24 LT. P.I. CURVE 0-2 F.C. CURVE 0-2 F.C. CURVE 0-2 F.C. CURVE 0-2 F.C. CURVE 0-1 J. O.C. NT. & *ARAP 0 & RAMP F F.O.C. INT & *RAMP 0 & ROAY. A F.I. CURVE 0-4 J. O.C. INT & *RAMP 0 & *DAT B F.O.C. CURVE 0-4 J.T. CURVE 0-4 END FAME 0 MP TF F C. CURVE 1-1 BELED FAME P J.T. CURVE P-4 F.I. CURVE 1-2 F.T. CURVE 1-2	10 10 10 10 10 10 10 10 10 10 10 10 10 1	9,705,997 9,820,897 9,820,897 9,850,082 10,158,484 10,158,484 10,158,437 10,158,437 10,158,437 10,158,437 10,158,437 10,158,437 10,158,437 10,158,437 10,158,437 10,158,437 10,258,142 10,158,437 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,457 10,158,45710,158,45710,158,457 10,158,45710,158,45710,158,45710,158,457 10,158,45710,1	51,157,423 11,246,549 11,157,848 13,486,544 13,582,850 11,494,500 11,494	SINFIS 10 FR. TO 181 P.C. CURVE R-1 P.C. CURVE R-1 P.C. CURVE R-1 P.T. CURVE R-4 P.T. CURVE R-4 P.T. CURVE R-4 P.T. CURVE S-1 P.C. CUR	223 224 225 226 227 228 229 231 231 235 235 236 237 235	11,222,450 11,075,179 10,442,781 10,799,781 11,291,888 11,290,882 11,599,428 11,993,479 12,677,994 11,943,479 12,677,994 11,945,009 11,945,009 11,945,009 11,945,009 11,945,009 11,945,009 11,945,009 11,485,00000000000000000000000000000000000	13,797.077 13,798.107 RA 13,990.665 13,990.665 13,990.665 13,991.646 13,991.646 14,017.091 14,017.092 15,017.092	P.1. CUPVE 0-2 P.1. CUPVE 0-2 END RAMP U* MDF V* P.C. CUPVE V-1 BEGIN RAMP V P.1. CUPVE V-1 P.1. CUPVE V-1 P.1. CUPVE V-2 P.1. CUPVE V-	CODE NO 261 264 270 271 272 271 272 273 274 275 276 276 277 276	NORTH 9, 754, 163 9, 761, 759 9, 661, 844 9, 597, 223 4, 511, 981 9, 662, 256 11, 745, 082 11, 745, 082 11, 745, 082 11, 752, 058 11, 672, 256	EAST TRENDLE 33, 249, 057 33, 249, 057 33, 249, 057 33, 249, 257 33, 215, 225 33, 115, 245 33, 115, 245 34, 115, 245 32, 440, 440 32, 440, 248 RELOCAT 34, 942, 349 14, 942, 349 14, 945, 248	Y ACCESS ROAD P. C. CURVE T.A E P. I. CURVE T.A 2 P. T. CURVE T.A 2 P. T. CURVE T.A 2 P. T. CURVE T.A 3 P. C. CURVE T.A 3 P. R.C. CURVE T.A 3 P. T. 4TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD ED 2ND STREET § INTS. OF MISSOCRE & RELOC. 200 ST. P. C1 RELOCATED 2ND STREAT
	48. 13, 131, 132 42. 13, 215, 140 43. 13, 215, 140 44. 13, 215, 140 45. 14, 217, 172 24. 14, 217, 137 17. 12, 205, 140 17. 12, 205, 140 17. 12, 205, 141 18. 12, 205, 141 19. 12, 205, 141 19. 12, 12, 14, 142 19. 12, 12, 141, 142 19. 12, 12, 141, 142 19. 12, 12, 141, 142 19. 12, 12, 141, 142 19. 12, 122, 144, 142 19. 12, 122, 144, 142 19. 12, 122, 144, 142 19. 12, 122, 144, 142 19. 12, 122, 144, 142 19. 12, 122, 144, 142 19. 12, 122, 142, 142 19. 12, 122, 142, 142 19. 12, 122, 143, 142 19. 12, 122, 143, 142 19. 12, 122, 143, 142 19. 12, 122, 143, 142 <	P.C.C. CURVE 0.1 & 2 NOR 24 ET. P.C.C. CURVE 0.2 P.T. CURVE 0.2 P.T. CURVE 0.2 D. T. RAMP 0 & BHEFT 18 ET. P.C. CURVE 0.4 D. O.C. NT & FRAMP 0 & RAMP R P.C. CUT & FRAMP 0 & ROAT, A F. CURVE 0.4 D.O.C. NT & FRAMP 0 & ROAT, A F. CURVE 0.4 D.O.C. NT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.O.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.O.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D D.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D D.C. RT & FRAMP 0 & ROAT, D P.C. CURVE 0.4 D.C. RT & FRAMP 0 & ROAT, D D.C. RT & FRAMP 0 & ROAT, D RT & RT & FRAMP 0 & ROAT, D D.C. RT & FRAMP 0 & ROAT, D D.C. RT & FRAMP 0 & ROAT, D RT & RT &	182 134 144 145 145 145 145 145 145 145 145 14	9,420,807 9,453,962 10,159,456 10,159,456 10,159,456 10,938,159 10,958,159 10,958,169 10,958,109 10,159,109 10,159,109 10,159,109 10,159,101 10,159,101 10,159,102 10,259,104 10,159,102 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100,100,100,100,100,100,100,100,100,10	11,249,529 13,151,94 14,154,54 15,154,55 15,157,55 15,157,55 15,157,55 15,157,55 15,157,55 15,157,55 15,157,55 15,157,55 15,251,55 15,255,555,555,555,555,555,555,555,555,5	 P.C. CLRVE R-1 P.I. CURVE R-1 P. C.C. CURVE R-1 & S P. C.C. CURVE R-1 & S P. C. CURVE R-4 END RAMP 'S' P. C. CURVE S-1 EDGIN RAMP 'S' P. C. CURVE S-2 P. C. CURVE S-4 P. C	224 225 226 227 228 229 231 231 231 233 234 235 236 237 238	11,075,179 10,442,781 10,590,116 10,797,774 11,291,582 11,291,582 11,293,479 12,677,994 11,903,479 12,677,994 11,903,479 12,677,994 11,905,179 11,905	33, 758, 107 RA 33, 950, 685 33, 979, 648 34, 977, 941 34, 977, 941 44, 978, 318 44, 118, 129 RELOCATE 34, 687, 602 35, 917, 102 35, 842, 010 35, 850, 010, 010, 010, 010, 010, 010, 010, 0	P. T. CURVE V-2 END RAMP UP MEP V- P.C. CURVE V-1 BEGIN RAMP V P.C. CURVE V-1 P.T. CURVE V-1 P.T. CURVE V-2 P.T. CURVE R.M1	267 269 270 271 271 271 271 275 276 278 279 280	9,754,363 9,703,759 9,503,644 9,599,223 9,599,223 9,599,223 11,742,879 11,742,879 11,670,086 11,642,236	TREADLE 33, 289, 097 34, 259, 329 35, 216, 275 34, 215, 745 35, 216, 275 34, 215, 745 34, 215, 745 34, 434, 821 34, 434, 824 34, 455, 246 <u>RALOX AT</u> 34, 945, 246 <u>RALOX AT</u> 34, 945, 246	Y ACCESS ROAD P. C. CURVE T.A E P. I. CURVE T.A 2 P. T. CURVE T.A 2 P. T. CURVE T.A 2 P. T. CURVE T.A 3 P. C. CURVE T.A 3 P. R.C. CURVE T.A 3 P. T. 4TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD ED 2ND STREET § INTS. OF MISSOCRE & RELOC. 200 ST. P. C1 RELOCATED 2ND STREAT
	11,215.360 42 12,276.744 43 12,477.44 44 12,477.44 45 12,477.44 46 12,248.570 17 12,248.570 18 12,248.570 19 12,248.570 14 12,248.570 14 12,142.145 14 12,142.145 14 12,142.142 15 12,122.147 16 12,122.147 17 12,122.147 12 12,122.147 12 12,122.147 12 12,122.147 12 12,122.147 12 12,122.147 12 12,122.147 12 12,122.147 12 12,122.148 12 12,224.540 12 12,224.540 12 12,224.540 12 12,224.540 12 12,224.540 12 12,240.540 12 12,240.540	P.I. CURVE 0-2 P.I. CURVE 0-2 P.O.T. RAMP O & SHRYFIE IT. F.C. CURVE 0-1 F.O.C. INT & RAMP O & RAMP R F.O.C. INT & RAMP O & ROAT A I.O.C. INT & RAMP O & ROAT B F.O.C. INT & RAMP O & ROAT B F.O.C. INT & RAMP O & ROAT B F.O.C. INT & RAMP O & ROAT D F.O.C. INT & RAMP O & ROAT D KIP OF F.C. CURVE D-1 BOOD RAMP O F.C. CURVE D-1 F.O.C. INT & ROAT P NOR F F INF.	182 134 144 145 145 145 145 145 145 145 145 14	9,420,807 9,453,962 10,159,456 10,159,456 10,159,456 10,938,159 10,958,159 10,958,169 10,958,109 10,159,109 10,159,109 10,159,109 10,159,101 10,159,101 10,159,102 10,259,104 10,159,102 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100 10,259,100,100,100,100,100,100,100,100,100,10	11,249,529 13,151,94 14,154,54 15,154,55 15,157,55 15,157,55 15,157,55 15,157,55 15,157,55 15,157,55 15,157,55 15,157,55 15,251,55 15,255,555,555,555,555,555,555,555,555,5	P.1. CURVE R-1 P.C.C. CURVE R-1 & x P.1. CURVE R-4 & X P.1. CURVE R-4 P.1. CURVE S-1 ENGINERAMP 'S P.C. CURVE S-1 P.C. CURVE S-1 P.C. CURVE S-1 P.C. CURVE S-2 P.O. 1 & SHEFTS HP LT. TO H2 P.C. CURVE S-3 P.O. C. NT. & TRAMP S & RAMP 'G P.O. C. INT. & TRAMP S' & RAMP 'B P.O. C. INT. & TRAMP 'S & RAMP 'B P.O. C. INT. & TRAMP 'S & RAMP 'B P.O. C. INT. & TRAMP 'S & RAMP 'B	225 226 227 228 229 231 231 231 231 234 235 236 237 238	10, 442, 781 10, 590, 116 10, 799, 774 11, 291, 888 11, 290, 582 11, 290, 582 11, 933, 479 12, 577, 994 11, 993, 479 12, 577, 994 11, 997, 160 11, 997, 160 11, 998, 594 11, 288, 594 11, 289, 594	RAM 13, 990, 684 13, 579, 448 14, 017, 011 14, 015, 017 14, 015, 017 14, 015, 017 14, 015, 017 14, 015, 017 14, 015, 017 15, 017, 102 15, 917, 10	MMP Y: P.C. CURVE V-1 BEGIN RAMP Y P.L. CURVE V-1 NOSE 21: RT. V.O. C. 20 MET NOSE 21: RT. V.O. C. 20 MET NOSE 21: RT. P.C. CURVE V-2 P.L. CURVE V-2 P.T. CURVE V-2 P.O. T. BAGIN RELOC. MAIN & FORM P P.O. T. MAIN TO NOSE (PT.T. P.O. T. SUMET NORE POINT 12-A P.O. T. BAGIN RELOC. MAIN & FORM P P.O. T. CURVE R.M. 10 P.C. CURVE R.M. 11 P.C. CURVE R.M. 11	200 200 270 271 272 273 274 275 276 278 279 280	4,701.759 9,601.844 9,599,221 4,511.981 4,468.266 11,945.082 11,712,879 11,676.088 11,676.088 11,676.088 11,676.915 11,716,915 11,756.915	33, 289, 097 33, 299, 329 39, 216, 275 30, 115, 785 31, 105, 785 32, 190, 607 47H TO STH ST 34, 433, 874 34, 433, 874 34, 982, 046 34, 982, 046 34, 914, 939 34, 914, 914 34, 914, 914 34, 914, 914 34, 914, 914 34, 914, 914 34, 914, 914 34, 91	P.C. CURVE T.A 2 P.L. CURVE T.A 2 P.T. CURVE T.A 2 P.G. CURVE T.A 3 P.R.G. CORVE T.A 3 P.R.G. CORVE T.A 1 REET ACCESS ROAD B.T.ST. OF 4TH ST. 4 4TH TO 5TH ACCESS ROAD P.G. 4TH TO 5TH ACCESS ROAD P.T. 4TH TO 5TH ACCESS ROAD
	44 12,876,744 12 14,507,507 12 14,507,507 12 14,507,507 12 14,507,507 12 14,507,507 12 14,202,487 17 12,202,481 14 12,122,487,510 12 12,202,481 14 12,124,172 12 12,127,412 12 12,127,424 12 12,127,424 12 12,242,403 12 12,242,403 12 12,242,403 12 12,242,403 12 12,242,403 12 12,242,403 13 12,242,403 14 12,242,403 15 12,242,403 16 12,242,403 16 12,242,403 16 12,242,403 17 12,243,403 18 12,243,403 19 12,140,403	P.T. CORVE 0-2 P. T. TRAMP 0 & SHEFTIG 1T, F.C. CURVE 0-1 F.C. CURVE 0-1 F.C. CURVE 0-1 F.C. CURVE 0-1 F.C. CURVE 0-1 F.C. CURVE 0-1 F.C. CURVE 0-1 F.T. CURVE 0-1 F.T. CURVE 0-4 F.T. CURVE 0-4 F	183 144 185 187 188 188 188 199 190 190 190 190 190 190 190 190 190	9,453,862 10,156,406 10,166,406 11,085,817 10,796,025 10,796,025 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,152,405 10,155,405,405 10,155,405,405 10,155,405,405,405,405 10,155,405,405,405,405 10,155,405,	13, 331, 894 14, 483, 564 15, 362, 255 14, 721, 357 15, 721, 317 15, 721, 317 15, 737, 725 15, 337, 725 15, 337, 725 15, 337, 725 15, 337, 725 15, 337, 725 15, 338, 725 15, 358, 725 15	P.C.C. CURVE R-1 L-5 P.C. CURVE R-4 P.T. CURVE R-4 END RAMF R ⁻ MI ⁻ S P.C. CURVE S-1 BEGIN RAMF 'S P.T. CURVE S-1 P.C. CURVE S-2 P.C. CURVE S-2 P.C. CURVE S-2 P.C. CURVE S-3 P.C. CURVE S-3 P.C. CURVE S-3 P.C. CURVE S-3 P.C. CURVE S-3 P.C. CURVE S-1 P.C. CURVE S-1 P.C	226 227 228 229 231 232 233 235 236 237 238	10,590,116 10,739,774 11,291,885 11,290,882 11,599,428 11,903,479 12,677,994 11,903,479 11,907,160 11,458,009 11,458,594 11,808,594 11,808,219 11,427,416	33, 950, 665 33, 979, 648 33, 979, 648 34, 017, 014 34, 033, 037 34, 078, 318 34, 188, 129 <u>RELICEATE</u> 35, 417, 102 35, 417, 102 35, 417, 102 35, 417, 102 35, 417, 429 35, 417, 429 35, 417, 429 35, 419, 429 35, 42935, 429 35, 42935, 429 35, 429 35, 429 35, 429 35, 429 35, 42935, 429 35, 42935, 429 35, 42935, 429 35, 429 35, 42935, 429 35, 42935, 429 35, 42935, 429 35, 42935, 429 35, 42935, 429 35, 42	P.C. CURVE V-1 RECENTRAMP V P.C. CURVE V-1 P.T. CURVE V-1 P.T. CURVE V-1 P.C. CURVE V-2 P.C. CURVE V-2 P.T. CURVE V-1 P.T. CURVE V-2 P.T. CURVE V-1 P.T. CURVE N-1	200 200 270 271 272 273 274 275 276 278 279 280	4,701.759 9,601.844 9,599,221 4,511.981 4,468.266 11,945.082 11,712,879 11,676.088 11,676.088 11,676.088 11,676.915 11,716,915 11,756.915	1), 234, 324 3), 216, 275 3), 216, 275 3), 115, 785 31, 105, 785 32, 140, 640 47H TO STH ST 34, 444, 874 44, 645, 286 RELOCAT 34, 711, 759 14, 800 155	P.I. CURVE F.A2 P.T. CURVE F.A2 P.G. CURVE F.A3 P.G. CURVE F.A3 P. E.G. CURVE F.A3 P.E.G. CURVE F.A3 P.E.G. CURVE F.A3 P.E.G. CURVE F.A3 P.E4 TH TO STH ACCESS ROAD P.G4 TH TO STH ACCESS ROAD P. I. 4TH TO STH ACCESS ROAD
	N12 N14,	 F.O.T. RAMP O & HEFFIELT, F.O.C. REAMP O & HEFFIELT, F.O.C. INT & FRAMP O & RAMP R F.O.C. INT & FRAMP O & RAMP R F.O.C. INT & FRAMP O & RAMP C F.C. INT & FRAMP O & RAMP C F.C. CHART & RAMP O & RAMP C F.C. CHART & RAMP O & RAMP C F.C. CHART O & RAMP O & RAMP C F.C. CHART O & RAMP O & RAMP C F.C. CHART O & RAMP O & RAMP C F.C. CHART O & RAMP O & RAMP C F.C. CHART O & RAMP O & RAMP O & RAMP C F.C. CHART O & RAMP O &	184 185 186 187 188 189 190 191 142 193 144 145 146	10,154,454 10,164,463 11,045,463 10,744,025 10,744,025 10,524,104 10,152,104 10,152,104 10,154	15,484,564 35,582,255 15,725,510 15,945,504 15,945,504 15,945,504 15,945,504 15,947,504 15,947,504 15,947,504 15,246,754 15,246,754 15,246,754 15,246,754 15,246,754 15,246,754 15,246,754 15,246,754	 L. CURVE R-4 P. T. CURVE R-4 END RAMP (R) P. C. CURVE S-1 BEGIN RAMP (S) P. C. CURVE S-1 P. C. CURVE S-1 & 2 NOSE 2F LT. P. C. CURVE S-2 T. CURVE S-2 T. CURVE S-2 P. C. CURVE S-3 P. C. CURVE S-4 P. CURVE S-4	226 227 228 229 231 232 233 235 236 237 238	10,590,116 10,739,774 11,291,885 11,290,882 11,599,428 11,903,479 12,677,994 11,903,479 11,907,160 11,458,009 11,458,594 11,808,594 11,808,219 11,427,416	33, 950, 665 33, 979, 648 33, 979, 648 34, 017, 014 34, 033, 037 34, 078, 318 34, 188, 129 <u>RELICEATE</u> 35, 417, 102 35, 417, 102 35, 417, 102 35, 417, 102 35, 417, 429 35, 417, 429 35, 417, 429 35, 419, 429 35, 42935, 429 35, 42935, 429 35, 429 35, 429 35, 429 35, 429 35, 42935, 429 35, 42935, 429 35, 42935, 429 35, 429 35, 42935, 429 35, 42935, 429 35, 42935, 429 35, 42935, 429 35, 42935, 429 35, 42	P.C. CURVE V-1 RECENTRAMP V P.C. CURVE V-1 P.T. CURVE V-1 P.T. CURVE V-1 P.C. CURVE V-2 P.C. CURVE V-2 P.T. CURVE V-1 P.T. CURVE V-2 P.T. CURVE V-1 P.T. CURVE N-1	269 270 271 271 272 273 274 275 276 276 278 279 280	9,003,844 9,509,223 9,511,381 9,668,266 11,945,082 11,712,879 11,676,088 11,676,088 11,672,256	33, 216, 275 33, 135, 785 34, 051, 821 32, 490, 409 47H TO STH ST 34, 648, 240 34, 648, 246 34, 648, 288 <u>BELCOCAT</u> 14, 914, 939 14, 800 155	P. T. CURVE T.A2 P.G. CURVE T.A3 P. R.G. CURVE T.A3 P.R.G. CURVE T.A1 REF T ACCESS ROAD BINTS. OF ATH ST. & 4TH TO STH ACCESS ROAD P.G. TH TO STH ACCESS ROAD P.G. TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD
4, (24, 142) 4, (24, 142) 4, (24, 172) 4, (24, 172) 4, (24, 172) 4, (24, 172) 4, (24, 172) 4, (24, 172) 4, (24, 142) 4,	25. 1, 1, 597, 907 77. 12, 156, 984 177. 12, 248, 570 178. 12, 248, 570 179. 12, 248, 570 184. 12, 248, 570 184. 12, 124, 124 184. 12, 124, 137 184. 12, 124, 137 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 122, 144 184. 12, 124, 1450 184. 12, 122, 145 184. 12, 122, 145 184. 12, 120, 121	1.C. CURVE 0-1 1. O.C. INT 2.*AAMP O & RAMP F P. O.C. INT 2.*RAMP O & ROAT A 1. O.C. INT 2.*RAMP O & ROAT B 1. O.C. INT 2.*RAMP O & ROAT B 1. O.C. INT 2.*RAMP O & ROAT B 1. O.T. INT 2.*RAMP O & ROAT D P. O.T. INT 2.*RAMP O & ROAT D P. O.T. INT 2.*RAMP O & ROAT D P. O.T. RAM O NOVE IN RT P. O.C. CURVE 0-4 1. T. CURVE	185 186 187 188 184 190 191 192 193 193 194 195 196	10, 346, 481 11, 085, 417 10, 918, 169 10, 918, 169 10, 924, 169 10, 104, 024 10, 104 10, 104, 024 10, 104 10, 104	53, 542, 256 EAX 15, 725, 510 17, 494, 494 17, 494, 494 17, 494, 494 17, 547, 542 16, 495, 157 16, 157 16, 258, 157 16, 258, 157 16, 258, 157 16, 258, 157 16, 258, 158 16, 258, 158, 158 16, 258, 158, 158 16, 258, 158, 158, 158 16, 258, 158, 158, 158, 158, 158, 158, 158, 1	P.T. CURVE R-4 END RAMP R- MP S P.C. CURVE S-1 BEGIN RAMP 'S P.C. CURVE S-1 & 2 NOSE 24' LT. P.C. CURVE S-1 & 2 NOSE 24' LT. P.C. CURVE S-2 1.T. CURVE S-2 P.C. T & NET'S IP' LT. TO 192 P.C. CURVE S-3 P.C. CURVE S-4 P.C. CINT. & RAMP S & RAMP 'O P.C. CINT. & RAMP S & RAMP 'G P.C. CINT. & RAMP S & RAMP 'B P.C.C. INT. & RAMP S & RAMP 'B P.C.C. INT. & RAMP 'S & RAMP 'B	226 227 228 229 231 232 233 235 236 237 238	10,590,116 10,739,774 11,291,885 11,290,882 11,599,428 11,903,479 12,677,994 11,903,479 11,907,160 11,458,009 11,458,594 11,808,594 11,808,219 11,427,416	33, 979, 648 33, 971, 898 34, 037, 091 34, 053, 037 34, 078, 318 34, 118, 129 <u>RELOCATE</u> 34, 689, 002 33, 917, 102 33, 888, 642 33, 791, 829 33, 760, 550	P.L. CURVE V-1 P.T. CURVE V-1 NOSE 21° RT. P.O. 7. & HIPTS 10° RT TO 229 P.C. CURVE V-2 P.T. CURVE V-2 P.T. CURVE V-2 P.T. CURVE V-2 P.T. CURVE V-2 P.O. T. BECIN RELOC. MAIN & TRAVERSE FORM 12-A P.O. T. MAIN ST. NOSE (F'LT. P.O. T. & MURTS Y-RT. TO 216 P.C. CURVE R.M11 P.T. CURVE R.M11	270 271 272 273 274 275 276 276 276 279 280	9,589,223 9,511,381 9,468,256 11,945,082 11,712,879 11,676,086 11,612,256 11,716,915 13,275,44 13,475,97	33, 135, 785 33, 051, 821 32, 490, 804 4TH TO 5TH ST 34, 434, 874 34, 645, 240 34, 682, 046 14, 645, 280 <u>RELOC AT</u> 34, 914, 934 34, 806 155	P.C. CURVE T.A3 P.L. CURVE T.A3 P.L. CURVE T.A3 P.R.C. CURVE T.A3 P.R.C. CURVE T.A3 P.R.C. CURVE T.A3 P.R. TH TO STH ACCESS ROAD P.C. 4TH TO STH ACCESS ROAD P.T. 4TH TO STH ACCESS ROAD P.T. 4TH TO STH ACCESS ROAD ED 2ND STREET € INTS. OF MISSOCRE & RELOC. 2ND ST. P.C1 RELOCATED 2ND STREAT
	77 12, 100, 1944 17 12, 248, 570 77 12, 202, 448 84 12, 12, 203, 441 84 12, 124, 142 84 12, 124, 142 84 12, 124, 142 84 12, 124, 142 84 12, 122, 143, 142 84 12, 122, 143, 142 84 12, 122, 143, 142 84 12, 122, 143, 142 84 12, 122, 143, 142 85 12, 242, 143, 142 86 12, 242, 143, 142 87 12, 242, 143, 142 88 12, 242, 143, 142 89 12, 242, 143, 142 80 12, 242, 143, 142 81 12, 243, 143, 142 81 12, 243, 143, 142 81 12, 243, 143, 142 81 12, 243, 143, 142 81 12, 243, 143, 142 81 12, 243, 143, 142 81 12, 143, 143, 142	<pre>> 0.C. INT & + RAMP 0 + RAMP R > 0.C. INT & + RAMP 0 + RAMP R > 1. C.C. INT & + RAMP 0 + RDAY. A > 1. C.C. INT & + RAMP 0 + RDAY C > 1. C.C. INT & + RAMP 0 + RDAY C > 0.T. INT & + RAMP 0 + RDAY. D > 0.T. INT & + RAMP 0 + RDAY. D > 0.T. INT & + RAMP 0 + RDAY. D > 0.T. RAMP 0 + RDAY. D > 1. C. CREVE 0.4 > 1. CLEVEL 0.4</pre>	186 187 198 189 190 191 192 193 194 195 195	11,045,817 10,748,447 10,746,425 10,752,483 10,522,104 10,524,104 10,524,104 10,524,104 10,104,447 4,744,447 4,540,447 4,	800 11, 721, 510 11, 997, 504 11, 646, 333 11, 997, 523 13, 997, 523 14, 998, 537 14, 998, 635 14, 246, 246, 635 14, 246, 635\\14, 246, 635\\14, 246, 635\\14, 246, 635\\14, 246, 635\\16, 656\\16, 656\\16, 656\\16, 656\\16,	MY - S P.C., CURVE S-1 BEGIN RAMP 'S P.L. CURVE S-1 P.C.C. CURVE S-1 P.C.C. CURVE S-1 P.C. CURVE S-2 P.G. C. SURVE S-2 P.G. CURVE S-3 P.L. CURVE S-4 P.C. CURVE S-4 P.G. C. INT. 2 × RAMP S & RAMP 'S P.G. C. INT. 2 × RAMP S & RAMP 'S P.O.C. INT. 2 × RAMP S & RAMP 'S P.O.C. INT. 2 × RAMP S & RAMP 'S P.O.C. INT. 2 × RAMP S & RAMP 'S P.O.C. INT. 2 × RAMP 'S & RAMP 'S	227 228 229 231 232 234 234 235 236 237 238	10,799,774 11,291.888 11,290.582 11,599.428 11,903.479 12,677.994 11,967.160 11,988.009 11,988.009 11,988.594 11,800.219 11,627.416	33, 941, 848 34, 037, 041 34, 053, 037 34, 078, 318 34, 118, 129 <u>RELOCATE</u> 34, 689, 002 35, 917, 102 35, 942, 010 35, 858, 623 35, 760, 550	P. T. CURVE V-1 NOSE 21: RT. P. G. T. & HURTS 16: RT. TO 22: P. C. CURVE V-2 P. T. SCHR RELOC. MANN & TRAVERSE FORT 12-A P. O. T. MAIN ST. NOSE (P. LT. P. G. T. & MIN ST. NOSE (P. LT. P. G. T. MAIN ST. NOSE (P. LT. P. C. CURVE R.M1 P. C. CURVE R.M1 P. T. CURVE R.M1	272 273 274 275 276 278 279 280	9,511.381 9,608.266 11,945.082 11,712.879 11,670.086 11,642.256 13,710.915 13,71.4915 13,71.4915	33, 051, 821 32, 490, 804 4TH TO, 5TH ST 34, 434, 874 34, 048, 240 34, 048, 240 34, 048, 240 34, 048, 240 34, 048, 280 <u>RELOCAT</u> 34, 914, 939 34, 800 155	P.1. CURVE T.A3 P.R.G. CORVE T.A3 P.R.G. CORVE T.A3 IRREF ACCESS ROAD B. INTS. OF 4TH ST. 4 4TH TO 5TH ACCESS ROAD P.C. 4TH TO 5TH ACCESS ROAD P.T. 4TH TO 5TH ACCESS ROAD P.T. 4TH TO 5TH ACCESS ROAD ED 23D STREET B. INTS. OF MISSOCRE & RELOC. 22D ST. P.C1 RELOCATED 2ND STREET
	11 12,248,470 12,242,244,470 12,222,444,472 14 12,248,444 14 12,248,444 12,144,472 12,144,472 14 12,144,472 14 12,144,472 14 12,144,472 14 12,144,472 12,122,443 12,117,444 12,122,443 12,117,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,127,444 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,122,443 12,124,443	 P. OC INT 2*RAME O RDAY. A P. CURNY 0-1 P. CURNY 0-1 P. C. DIT. 2* RAME O & RDAY C P. C. CHAY, 0-1 P. C. CHAY, 1-1 P. C. CHAY, 1-2 P. C. CHAY, 1-2 	187 198 199 191 192 193 194 195 196	10, 438, 364 10, 796, 025 10, 552, 483 10, 524, 104 10, 339, 101 10, 309, 495 10, 704, 487 10, 883, 524 10, 535, 524 10, 555, 544 10, 555, 544 10, 555, 544 10, 555, 555, 555 10, 5	51, 72, 51, 510 53, 694, 505 53, 644, 503 51, 646, 533 51, 697, 925 53, 511, 502 53, 511, 502 53, 517, 528 54, 250, 005 54, 254, 754 54, 254, 755 51, 344, 425 51, 512, 694 51, 512, 694	P.C., CURVE S-1 BLGIN RAMP 'S P. L. CURVE S-1 P. C.C. CURVE S-1 & 2 NONE 2P' LT. P. L. CURVE S-2 P. C. CURVE S-2 P. C. CURVE S-2 P. C. CURVE S-3 P. C. CURVE S-1 P. C. CURVE S-1 P. C. CURVE S-1 P. C. CINT. 2 + RAMP S & RAMP G P. O.C. INT. 2 + RAMP S & RAMP B P. O.C. INT. 2 + RAMP S & RAMP B P. O.C. INT. 2 + RAMP S & RAMP B P. O.C. INT. 2 + RAMP S & RAMP B P. O.C. INT. 2 + RAMP S & RAMP B P. O.C. INT. 2 + RAMP S & RAMP B P. O.C. INT. 2 + RAMP S & RAMP B	228 229 231 232 233 234 234 235 236 237 238	11, 291, 888 11, 290, 582 11, 599, 428 11, 903, 479 12, 677, 994 11, 967, 160 11, 698, 009 11, 961, 687 11, 858, 594 11, 800, 219 11, 627, 416	34, 037, 091 34, 033, 037 34, 078, 318 34, 138, 129 <u>RELOCATE</u> 34, 689, 002 33, 917, 102 33, 842, 010 33, 838, 623 33, 701, 829 33, 760, 550	P.O. T. & HEFTS IN RE. TO 229 P.C. CURVE V-2 P.L. CURVE V-2 P.T. CURVE V-2 END RAME: V DAARN STREET P.O. T. BERN RELOG: MAIN: & (RAVERSE FORT 12-A P.O. T. MAIN: NORE (P.T. P.O. T. & HUFTS V.R. TO 216 P.C. CURVE R.M1 P.T. CURVE R.M1	273 274 275 276 278 279 280	9,608.256 11,945.082 11,712.879 11,670.088 11,642.256 13,716.919 13,67.6.4 13,75.77	32, 490, 804 4TH TO 5TH ST 34, 434, 874 34, 648, 240 34, 648, 240 34, 645, 280 <u>RELOCAT</u> 34, 914, 939 34, 806 155	P.R.C. CURVE T.A 1 REET ACCESS ROAD INTS. OF 4TH ST. 4 4TH TO STH ACCESS ROAD P.C. 4TH TO STH ACCESS ROAD P.I. 4TH TO STH ACCESS ROAD P.I. 4TH TO STH ACCESS ROAD ED 2ND STREET INTS. OF MISSOCRE & RELOC. 2ND ST. P.C1 RELOCATED 2ND STREET
	12,202,49 12,202,49 14 12,209,41 15 12,209,41 16 12,143,42 12 12,143,42 12 12,143,42 12 12,143,42 12 12,143,42 12 12,127,424 12 12,127,424 13 12,122,43,190 14 12,122,44,540 15 12,122,43,540 16 12,224,524 16 12,224,500 161 12,204,500 162 12,204,500 161 12,204,502 162 12,204,502 163 12,204,502	P. L. CURVE 0-1 1. 0.C. INT. 2. KAMP. O. K. SAAT. B. P. C. CURVE 0-1 1. 0.T. INT. 2. KAMP. O. K. RDAY. C. P. T. CURVE 0-1 1. 0.T. INT. 2. KAMP. O. K. RDAY. D. P. 0.T. RAM, O. NOVE 10 RT. P. C. CURVE 0-4 1. T. CURVE 1-1 1. T. CURVE 1-2 1. T. CURVE 1-4 1. T. CURVE 1-4	187 198 199 191 192 193 194 195 196	10, 438, 364 10, 796, 025 10, 552, 483 10, 524, 104 10, 339, 101 10, 309, 495 10, 704, 487 10, 883, 524 10, 535, 524 10, 555, 544 10, 555, 544 10, 555, 544 10, 555, 555, 555 10, 5	11, 974, 504 31, 974, 504 31, 577, 425 35, 511, 562 31, 105, 157 31, 278, 283 32, 960, 015 31, 251, 065 31, 251, 065 31, 251, 065 31, 254, 754 41, 258, 085 31, 314, 475 11, 372, 694 11, 372, 694	P.L. CURVE 5-1 P.C.C. CURVE 5-1 & 2 NORE 24' L.F. P.L. CURVE 5-2 P.O. (WAVE 5-2 P.O. (WAVE 5-2 P.C. CURVE 5-3 F.L. CURVE 5-3 F.L. CURVE 5-3 F.L. CURVE 5-4 P.O.C. INT. 2* FAMP 5 & FAMP 0 P.O.C. INT. 2* FAMP 5 & FAMP 8 P.O.C. INT. 2* FAMP 5 & FAMP 8 P.O.C. INT. 2* FAMP 5 & FAMP 8 P.O.C. INT. 2* FAMP 5 & FAMP 8	229 231 232 233 234 234 235 236 237 238	11, 290, 582 11, 599, 428 11, 903, 479 12, 577, 994 11, 967, 150 11, 698, 009, 11, 998, 009, 11, 988, 594 11, 800, 219 11, 627, 415	34, 053. 037 34, 078. 318 34, 138. 129 <u>RELOCATE</u> 34, 689. 002 33, 917. 102 33, 842. 010 33, 838. 623 33, 701. 829 35, 760. 550	P.C. CURVE V-2 P.L. CURVE V-2 P.T. CURVE V-2 END RAME. V D MAIN STREET P.O. T. BECIN RELOC. MAIN: & TRAVERSE FORM 12-A P.O. T. MAIN ST. NOSE IF.LT. P.O. T. MAIN ST. NOSE IF.LT. P.C. CURVE R.M. ST. P.C. CURVE R.M. ST. P.C. CURVE R.M. ST. P.T. CURVE R.M. ST.	274 275 276 278 279 280	11, 945, 082 11, 712, 879 11, 676, 086 11, 642, 256 13, 716, 915 13, 716, 915 13, 716, 915 13, 716, 915	4TH TO 5TH ST 34, 444, 874 34, 648, 240 34, 682, 046 34, 643, 280 <u>RELOCAT</u> 34, 914, 939 34, 806 155	THEF / ACCESS ROAD INTS: OF 4TH ST. & 4TH TO STH ACCESS ROAD P.C. 4TH TO STH ACCESS ROAD P.I. 4TH TO STH ACCESS ROAD P.I. 4TH TO STH ACCESS ROAD P.I. 4TH TO STH ACCESS ROAD ED 2ND STREET INTS: OF MISSOCRE & RELOC. 25D ST. P.C1 RELOCATED 2ND STREET
	04 12,209.041 04 12,114.022 122,124.122 12,182.122 122,122.122.124 12,122.141 124 12,122.141 125 12,242.144 126 12,122.141 127 12,122.141 128 12,242.144 129 12,242.144 120 12,242.144 121 12,242.144 121 12,242.146 121 12,242.149 121 12,242.149 121 12,242.149 121 12,242.149 121 12,243.149 121 12,243.149 121 12,243.149	1 0.C. INT. 2 * KANP 0 & *5AT 5 1 0.C. INT. 2 * KANP 0 & KOAY C F. E. CURNY, 0.1 1 0.T. INT. 2 * KANP 0 & KOAY, D F. 0.T. RAM 0 YOGE 10 RT P.C. CURNY, 0.4 1 T. CURNYE 0.4 1 T. CURNYE 0.4 F. T. CURNYE 0.4 LND HAND 0 MP-TP F. CURNYE 0.4 LND HAND P 1 E. CURNYE P.1 F. T. CURNYE 1.5 P. C. CURNYE 1.5 P. C. CURNYE 1.5	145 154 140 191 142 149 144 145 146	10, 794, 025 10, 852, 983 10, 529, 104 10, 319, 101 10, 309, 991 9, 704, 987 9, 881, 823 9, 853, 524 9, 453, 524 9, 453, 524 9, 550, 743 1, 510, 142 1, 506, 37	33, 646, 333 33, 987, 925 33, 911, 952 33, 911, 952 33, 916, 157 33, 978, 283 32, 900, 015 33, 254, 754 33, 254, 754 34, 258, 085 33, 334, 475 33, 372, 684 31, 372, 684	P.C.C. CURVE S-1 & 2 NONE 24' LT. P. L. CURVE S-2 I.T. CURVE S-2 P.O. T. & NAFTS IN'LT. TO 192 P.O. CURVE S-3 F.L. CURVE S-3 F.L. CURVE S-3 P.O.C. INT. & * RAMP S & RAMP O P.O.C. INT. & * RAMP S & RAMP OF P.O.C. INT. & * RAMP OF P.O.C.	2 31 2 32 2 31 2 34 2 35 2 36 2 37 2 38	11, 599, 428 11, 903, 479 12, 677, 994 11, 967, 160 11, 898, 009 11, 901, 687 11, 858, 594 11, 800, 219 11, 627, 416	34, 078, 318 34, 138, 129 RELOCATES 34, 689, 002 33, 917, 102 33, 642, 010 33, 858, 623 33, 791, 829 33, 766, 550	P.L. CUVYE V-2 P.T. CURYE V-2 END RAMP V D MAIN STREET P.O. T. BECIN RELOC: MAIN & TRAVERE FORM 12-A P.O. T. MAIN ST. NORE (P.LT. P.O. T. & HUPT SY RT. TO 216 P.C. CURYE R.M1 P. C. CURYE R.M1 P.T. CURYE R.M1	274 275 276 278 279 280	11, 445, 082 11, 712, 879 11, 676, 088 11, 642, 256 13, 736, 915 13, 67, 64 13, 736, 705	34, 434, 874 34, 648, 240 34, 648, 240 34, 645, 280 <u>RELOCAT</u> 34, 914, 939 34, 806 155	NTS. OF 4TH ST. 4 4TH TO STH ACCESS ROAD P.C. 4TH TO STH ACCESS ROAD P.I. 4TH TO STH ACCESS ROAD P.I. 4TH TO STH ACCESS ROAD ED 2ND STREET ED 2ND STREET ENTS. OF MISSOCRE & RELOC. 2ND ST. P.C1 RELOCATED 2ND STREET
	04 12,114,112 12,114,112 12,114,112 12,114,112 12,114,112 12,114,112 12,112,114 12,112,114 12,112,114 12,112,114 12,112,114 12,112,114 12,112,114 12,112,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114 12,114,114	I O.C. INT. T'S RANG O & ROMY C I O.T. INT 2 + RANG O & ROMY C I O.T. INT 2 + RANG O & ROMY, D F.O.T. PARI O NOVE IN RF P.C. COMVE O:4 I.T. COMVE O:4 I.T. COMVE O:4 I.T. COMVE O:4 I.T. COMVE D:4 D C COMVE I:4 I.T. COMVE I:4 D C COMVE I:4 P.C. COMVE I:4 I.T. C. C. COMVE I:4 I.T. C. C	169 190 191 142 193 144 145 146	10, e52, 983 10, 522, 104 10, 319, 101 10, 309, 951 9, 704, 987 9, 881, 823 9, 853, 824 9, 821, 863 9, 560, 943 9, 510, 142 9, 508, 17	31, 597, 925 33, 511, 552 33, 165, 157 33, 378, 283 32, 900, 015 33, 253, 063 34, 254, 754 14, 258, 085 31, 334, 475 31, 372, 684 31, 372, 684	 F.L. CURVE S-2 F. CURVE S-2 F. CURVE S-4 F. CURVE S-1 F. FAMP S-1 F. CURVE S-1 F. FAMP S-1 F. CURVE S-1 	232 233 234 235 236 237 238	11,903.479 12,677.494 11,967.160 11,698.009 11,901.687 11,858.594 11,800.219 11,627.416	34, 138, 129 RELOCATEI 34, 689, 002 35, 917, 102 35, 642, 010 33, 858, 623 35, 791, 829 35, 766, 550	E. CURVE V-2 END RAME V DAIN STREET FO T. BECHNRELOC. MAIN & FAVERE FONT 12-A P.O. F. MAIN ST. NOSE (F. LT. F. C. CURVE R.M1 F. C. CURVE R.M1 F. C. CURVE R.M1	274 275 276 278 279 280	11, 712, 879 11, 676, 088 11, 642, 256 13, 716, 915 13, 716, 915 13, 716, 975	14, 048, 240 14, 082, 046 14, 045, 280 RELOCAT 34, 914, 939 14, 806 155	ACCESS ROAD P.C. 41H TO STM ACCESS ROAD P.I. 41H TO STM ACCESS ROAD P. T. 4TH TO STM ACCESS ROAD ED 2ND STREET & INTS. OF MISSOCRE & RELOC. 25D ST. P.C1 RELOCATED 2ND STREET
	444 (2,14),772 (22) (22,14),772 (22) (22,14),022 (22) (22,12),440 (22) (22,12),444 (22) (22,12),445 (22) (22,14),440 (22) (22,14),440 (22) (23,14),612 (21) (22,14),612 (21) (22,14),617 (21) (22,14),617 (21) (22,14),617	P. F. CERVE 0-1 P. O.T. INT 2 + PANE O + RDAY, D P. O.T. INT 2 + PANE O + RDAY, D P. O. CERVE 0-4 P. C. CERVE 0-4 P. F.	190 191 192 193 193 194 195 195	10, 529, 104 10, 519, 101 10, 519, 101 10, 309, 951 9, 704, 987 9, 881, 823 9, 883, 824 9, 825, 824 9, 825, 824 9, 805, 943 9, 510, 142 9, 505, 94	53, 511, 562 53, 165, 157 53, 165, 157 53, 378, 283 32, 960, 015 53, 251, 061 54, 254, 754 51, 258, 085 51, 314, 425 51, 317, 584 51, 317, 584	1. T. CURVES-2 P.O. T. & MEFTS IP'LT. TO IP2 P.C. CURVES-3 J. L. CURVES-3 P.O.C. INT. & *RAND-5 & RAND-0 P.O.C. INT. & *RAND-5 & RAND-8 P.O.C. INT. & *RAND-5 & RAND-8 P.O.C. INT. & *RAND-5 & RAND-8 P.O.C. INT. & PRAND-5 & RAND-7 P.O.C. INT. & PRAND-7 P.O.C. INT. PRAND-7 P.O.C. IN	2 5 5 1 2 3 4 2 3 5 2 3 6 2 3 7 2 3 8	12, 677, 994 11, 967, 160 11, 698, 009 11, 901, 687 11, 858, 594 11, 800, 219 11, 627, 416	RELOCATE: 34, 589, 002 33, 917, 102 33, 842, 010 33, 838, 523 33, 791, 829 33, 765, 550	D MAIN STREET 1.0.0 T. BECIN RELOC. MAIN & 1.0.0 T. MAINER FORM 12-A P.0.0 F. MAIN T. NORE (P. LT. 1.0.0 T. 2. HOPTS 97 RT. TO 216 P. C. CONVER M11 P. C. CONVER M11 P. T. CONVER M11	275 276 278 279 280	11,676.086 11,642.256 13,736.915 13,67.64 13,57.76	34, 082, 040 34, 045, 280 <u>RELOCAT</u> 34, 414, 434 34, 806 155	P.C. 4TH TO STH ACCESS ROAD P.I. 4TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD ED 2ND STREET B INTS. OF MISSOCREEN RELOC. 2ND ST. P.C1 RELOCATED 2ND STREET
4, 294, 42 4, 042, 12 7, 4942, 47 7, 4942, 47 7, 4942, 47 7, 4942, 47 7, 4942, 47 7, 4942, 47 7, 4942, 49 7, 4944, 40 4, 4944, 40 4	122 122 132 134 142 144 142 144 142 144 142 144 142 144 144	1 0.1. INT 2 + RANE 0 + RDAY, D P.O.T. RAN 0 HING IN RT P.C. CERVE 04 1. T. CERVE 04 1. T. CERVE 04 10 F. C. CERVE 1-1 BEL25 RAND 0 NO *F F. CERVE 1-1 BEL25 RAND P 1. E. CERVE 1-1 F. T. CERVE 1-1 P. C. CERVE 1-2	191 142 193 144 145 146	10, 319, 101 10, 309, 951 9, 704, 987 9, 881, 823 9, 853, 524 9, 421, 453 9, 550, 743 1, 510, 142 9, 508, 17	33, 105, 157 33, 378, 283 32, 490, 015 33, 251, 065 33, 254, 753 34, 258, 085 33, 314, 475 13, 177, 594 31, 372, 594	P.O. I & MEFTS 10'LT. TO 102 P.C. CURVE S-3 F.L CURVE S-4 P.O.C. INT. 2'* RAMP S' & RAMP O P.O.C. INT. 2'* RAMP S' & ROMY G P.O.C. INT. 2 * RAMP S' & ROMY B P.O.C. INT. 2 * RAMP S' & ROMY B P.O.C. INT. 2 * RAMP S' & ROMY B	234 235 236 237 238	11,967,160 11,898,009 11,901,687 11,858,594 11,800,219 11,627,416	34, 689, 002 35, 917, 102 35, 642, 010 33, 838, 623 35, 791, 829 33, 766, 550	 P. O. T., BECHN RELOC, MAIN, & RAVERSE FORT 12-A. P. O. T. MAIN, ST. NORE (F. LT.). P. O. T. & HUPT'S YRT. TO 216 F. C. CONVERM11 F. C. CONVERM11 F. T. CONVERM11 	275 276 278 279 280	11,676.086 11,642.256 13,736.915 13,67.64 13,57.76	34, 082, 040 34, 045, 280 <u>RELOCAT</u> 34, 414, 434 34, 806 155	P.1. 4TH TO STH ACCESS ROAD P. T. 4TH TO STH ACCESS ROAD ED 2ND STREET & INTS. OF MISSOCRE & RELOC. 2ND ST. P.C1 RELOCATED 2ND STREET
4,042.12 7,442.47 7,442.41 7,442.41 7,442.41 7,444.41 7,444.41 7,444.41 8,444.41 8,444.41 8,444.41 9,444.41 9,444.41 9,444.41 9,444.41 9,444.41	128 12,141,022 127 12,129,424 12,129,424 14,14 12,122,441 14,14 12,117,846 14,14 12,117,846 14,14 14,144 14,14 14,144	D.O. T. PAMI O NOVE LE RT P.C. CHERE 0.4 1.1. CUBRE 0.4 1.1	191 142 193 144 145 146	10, 309, 951 9, 704, 967 9, 861, 823 9, 853, 624 9, 421, 863 9, 560, 943 9, 510, 142 9, 508, 39	 s3, s78, 283 s2, 460, 015 s1, 253, 063 s3, 254, 754 s1, 258, 085 s3, 354, 475 s3, 377, 694 s1, 357, s52 	P.C. CURVES.3 P.L. CURVES.3 P.O.C. INT. 2: FRAMP 'S' & RAMP 'O P.O.C. INT. 2: FRAMP 'S' & RAMP 'B P.O.C. INT. 2: FRAMP 'S' & ROMP 'B P.O.C. INT. 2: FRAMP 'S' & ROMY 'B P.O.C. INT. 2: FRAMP 'S' & ROMY 'B	234 235 236 237 238	11,967,160 11,898,009 11,901,687 11,858,594 11,800,219 11,627,416	33, 917, 102 33, 842, 010 33, 838, 623 33, 791, 829 33, 766, 550	TRAVERSE FORT 12-A P.O. F. MAIN ST. NOSE (4' LT. P.O. F. § HIPTS 5' RT. TO 216 P.C. CURVE R.M1 P.I. CURVE R.M1 P. T. CURVE R.M1	276 278 279 280	11, 642, 256 13, 736, 915 13, 6 ² , 6 ⁻⁴ 13, 4 ³ , 767	34, 645, 280 <u>RELOCAT</u> 54, 914, 939 34, 806 155	P. T. 4TH TO STR ACCESS ROAD ED 2ND STREET REAL STREET P.C1 RELOCATED 2ND STREET
7,942,07 7,922,01 7,935,70 7,936,70 7,937,700,700,700,700,700,700,700,700,700,7	127 12,129,424 14 12,122,743 14 12,122,743 15 14 12,117,845 16 12,240,440 16 12,240,440 16 12,246,612 16 12,101,264 11 16 12,101,264 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12,144,274 11 12 12 12 14 11 12 12 14 11 12 12 14 11 14	P.C. CERVE 04 J. CCERVE 04 F. D. CERVE 04 LSD RAME 0 MI-TF P. CCERVE 14 BEGE FAMI P J. D. CURVE P-1 F. CCERVE 1-2 P. C. CERVE 1-2	193 144 145 146	9,704,987 9,881,825 9,853,624 9,421,861 9,550,943 9,510,182 9,508,51	32, 960, 015 33, 251, 061 33, 254, 754 33, 258, 085 33, 334, 475 33, 177, 694 31, 313, 732	P.C. CURVES.3 P.L. CURVES.3 P.O.C. INT. 2: FRAMP 'S' & RAMP 'O P.O.C. INT. 2: FRAMP 'S' & RAMP 'B P.O.C. INT. 2: FRAMP 'S' & ROMP 'B P.O.C. INT. 2: FRAMP 'S' & ROMY 'B P.O.C. INT. 2: FRAMP 'S' & ROMY 'B	235 236 237 238	11,898.009 11,901.687 11,858.594 11,800.219 11,627.416	33, 917, 102 33, 842, 010 33, 838, 623 33, 791, 829 33, 766, 550	TRAVERSE FORT 12-A P.O. F. MAIN ST. NOSE (4' LT. P.O. F. § HIPTS 5' RT. TO 216 P.C. CURVE R.M1 P.I. CURVE R.M1 P. T. CURVE R.M1	278 279 280	13,736,915 13,67,64 13,635 767	RELOCAT 54, 914, 939 34, 806 155	ED 2ND STREET & INTS. OF MISSOURI & RELOC. 2ND ST. P.C1 RELOCATED 2ND STREET
1,412.41 1,224.47 7,955.70 7,955.70 7,955.70 7,955.70 8,955.70 8,955.70 7,9	ELS 12, 122, 143 14, 12, 117, 846 IX, 117, 846 702 12, 240, 840 141, 12, 240, 840 IX, 240, 840 142, 240, 840 IX, 102, 846 140 12, 246, 812 840 12, 103, 863 140 12, 103, 264 141 12, 103, 264 145 12, 103, 264) 1 CORVE 0-4) 1 CORVE 0-4 END KAME 0 MO-TF) 1 CORVE 1-1 BELOD KAME P) 1 CORVE P-1 F 1 CORVE P-1 F 1 CORVE P-1 P 0 CORVE P-1 P 0 CORVE 1-2	193 144 145 146	4,881.823 4,853.624 7,821.403 4,550.443 4,510.142 4,508.31	33, 253, 063 35, 254, 754 14, 258, 085 33, 334, 475 13, 377, 694 33, 378, 732	$\begin{array}{l} F_{1}G_{1}G_{2}(\mathbf{n}T,\mathbf$	235 236 237 238	11,898.009 11,901.687 11,858.594 11,800.219 11,627.416	33, 842, 010 33, 838, 623 33, 791, 829 33, 766, 550	P.O.T. & HUFTS 5' RT. TO 216 P.C. CURVE R.M. +1 P.I. CURVE R.M. +1 P.T. CURVE R.M. +1	279 280	13,670,874 13,635,767	54, 914, 939 34, 806-155	& INTS. OF MISSOURIA RELOC. 2ND ST. P. C1 RELOCATED 2ND STREET
1,202,00 1,355,00 1,355,00 2,457,00 2,457,00 4,450,00 1,257,	Bit S2,117,846 RA RA 702 12,240,840 S61 52,252,408 140 52,258,408 140 52,258,408 140 52,258,408 140 52,258,408 140 52,558,408 141 52,559,408 141 52,559,408	1. L. CENTE GALESTRAMO O MI-TE P. CENTE I - I BEGES RAMO P 1. L. CENTE I - I P. I. CENTE I - I P. J. CENTE I - I P. G. CENTE I - 2 P. G. CENTE I - 2	1.24 1.25 1.46	4,881.823 4,853.624 7,821.403 4,550.443 4,510.142 4,508.31	33,254,754 33,258,085 33,334,475 33,377,694 33,373,732	P.O.C. INT \mathfrak{T} + RAMP 5 & RDSY G P.O.C. INT \mathfrak{T} + RAMP 5 & RAMP 7 P.O.C. INT \mathfrak{T} + RAMP 5 & RDSY 8 P.O.C. INT \mathfrak{T} + RAMP 5 & RDSY 4	236 237 238	11,901.687 11,858.594 11,800.219 11,627.416	33, 838, 623 33, 791, 829 33, 766, 550	P.C. CURVE R.M. +1 P.I. CURVE R.M. +1 P.T. CURVE R.M. +1	279 280	13,670,874 13,635,767	54, 914, 939 34, 806-155	& INTS. OF MISSOURIA RELOC. 2ND ST. P. C1 RELOCATED 2ND STREET
	HA 702 12,240,940 161 12,242,400 140 12,242,400 140 12,242,400 140 12,243,412 140 12,243,412 140 12,243,412 140 12,140,243 141 12,144,273	III	1+5	4,853,624 7,421,463 7,580,943 7,510,142 7,508,374	11, 258, 085 33, 334, 475 33, 377, 694 31, 373, 432	P.O.C. INT \mathfrak{T} + RAMP 5 & RDSY G P.O.C. INT \mathfrak{T} + RAMP 5 & RAMP 7 P.O.C. INT \mathfrak{T} + RAMP 5 & RDSY 8 P.O.C. INT \mathfrak{T} + RAMP 5 & RDSY 4	237 238	11,858.594 11,800.219 11,627.416	33,791.829 33,766.550	P. L. CURVE R. M1 P. T. CURVE R. M1	279 280	13,670,874 13,635,767	34,80€ 155	P.C1 RELOCATED 2ND STREET
7, 258, 05 7, 497, 14 8, 445, 81 8, 485, 81 8, 884, 11 9, 814, 51 8, 814, 51 8, 204, 88 9, 204, 88 9, 204, 88 9, 204, 88 9, 204, 88 9, 204, 88	702 12,240.5+0 061 52,252.508 140 12,263.612 #10 12,300.663 180 12,103.263 115 12,344.273	P : CCRVE.1-1 BEGEVEAND P F : CCRVE.P-1 F F F : CCRVE.1-1 F F F P : D.T. RAME P. NO N.21 (1) F P : C. CRVE.1-2 F F F		4,580,943 4,510,142 4,508,31	53, 334, 475 53, 377, 694 53, 379, 432	P.O.C. INT. 2 * RAMP 5 & RDWY B 1.O.C. INT. 2 * RAMP 5 & RDWY A	2.18	11,800.214 11,627.416	\$\$, 760. 550	P. T. CURVE R. M1	280	13, 435 767		
7, 258, 05 7, 497, 14 8, 445, 81 8, 485, 81 8, 884, 11 9, 814, 51 8, 814, 51 8, 204, 88 9, 204, 88 9, 204, 88 9, 204, 88 9, 204, 88 9, 204, 88	061 52,292.408 140 42,248.612 830 42,300.663 180 52,303.264 115 42,344.275	1 E. CUMVE P-1 P. 1 CUMVE 1-1 P. G. T. RAME. P. NO 8.24.1 P. C. CUMVE 1-2		4,580,943 4,510,142 4,508,31	53, 334, 475 53, 377, 694 53, 379, 432	P.O.C. INT. 2 * RAMP 5 & RDWY B 1.O.C. INT. 2 * RAMP 5 & RDWY A		11,627.416					14.	
2,457,14 8,155,41 8,184,14 9,814,11 9,914,15 9,914,15 9,914,15 9,914,15 9,124,14 1,124,14 1,124,14 1,124,14 1,124,14	140 (2,2%8,6)2 810 (2,300,6%3 180 (2,303,2%) 115 (2,304,27)	P.1 CURVET-: P G.T. RAME P. NO-8.24 (), P C. CURVET-2	1.74 1.4 200	4,510-142 4,508.31 4,508.70	31, 374, 432		239		53, 691. 720			14. 5.693	34, 721 1.7	P. LI RELOCATED 2ND STREET
 8, 455, all 8, 168, 18 8, 814, 51 9, 814, 51 9, 484, 65 9, 004, 58 9, 126, 14 9, 146, 14	 410 42, 300, 663 180 42, 301, 203 115 42, 344, 273 	P.O.T. RAME P. NOTE 24 () P. C. CURVE 1-2	200	4,508.311 4,344.750	31, 374, 432		240					11.5	JA, 190 350	F. C2 RELOCATED 2ND STREET
4, 188, 18 5, 51, 11 5, 51, 17 5, 51, 57 5, 51, 57 5, 52, 57 4, 20, 4 5, 12, 58 5, 58	180 (2, 103 263 115 (2, 333, 27)	P. C. CURVE 1-2	200	4,544,744		TO SHE REFERENCE TO A REPORT OF		11,569.040	\$\$,000.403	F.L.CURVE R.M. +2		13, 16, 836	14,150 117	F. L2 RELOCATED IND STREET
2,831.11 3,812.47 3,884.51 4,004.05 4,004.05 4,125.49 4,175.41 4,275.42 4,948.48	115 (2, 3 (9, 27)		201	1.000		F. O. C. INE. B . RAMP 'S & RAMP 'P	241	11,525.018	33, 614. 722	P. T. CURVE R. M. +2		13, 420, 507		
9,812.47 9,814.51 9,704.65 4,126.34 4,126.34 4,126.34 4,126.34 4,126.41 4,274.42		F.I. CURVE F-2		1 100 101	10,000,000	LOC INT STANK S APRIL			QUEINSVILLE	AVENUE-EXTENSION	284	13,420 502	34, 580 958	F. T2 RELOCATED 2ND STREET
8,814.51 8,984.85 9,004.95 9,126.59 9,128.51 9,278.52 9,546.58			202	9, 178, 1.19	11,449,111	P. O. C. INT. 5 . RAMP S & RAMP Q	243	12, 572, 157	14, 785. 931	P.O.T. BEGIN COLLINSVILLE EXT.		& INTERSEC	TIONS OF CITY	OF ST LOUIS TRESTLE
8,989,85 9,004 88 9,126,39 9,128,41 9,279,42	1/2 12, 145, 571	POL INT & RAME & & ROWY D	202	1, 118, 107	31, 446, 311	P. C. CURVE S-1	245	12,428,411	34, 469, 657	P.C. CURVE CE-1	285	9,016.923	31, 191.202	ILL. TERM. R.R. & RAMP IN
4,004 85 4,126 34 4,278 41 4,278 42	512 52, 513, 401	P.O.C. INT & FAMP I & RAMP G	204	9, 159, 822	11, 827, 894	P. 1. CURVE 5-3	246	12,419.544	34, 451. 756	F.O.C. COLLINSVILLE EXT	280	9,027.971	31, 199. 179	ILL. TERM. R.R. & RDWY. D
4, 126, 34 4, 278, 31 4, 276, 32 4, 545, 58	s51 s2, 761.5 (8				11, 955, 119	P.C. CURVE S-4				NOSE 14 ¹ R.L.	287	9,078.690	31, 235. 803	ILL. TERM. R.R. & RDWY. C
4, 126, 34 4, 278, 31 4, 276, 32 4, 545, 58		10.11	20%	4.079.032	14. 057. 104	P.I. CURVE 5-4	247	12,430.280	54,442.701	NOSE COLLINSVILLE EXT. & MAIN ST.	288	9,105.826	31,255.397	ILL. TERM. R.R. & RDWY B
4,278,32 4,278,32 4,848,48		P.O.T. RAME P	200	8, 167, 655	34,057.364	P. T. CURVE S-4 P. O. T. RAMP S. NOSE 17 RT.	248	12, 444, 372	14,435,109	F. O. T. MAIN ST. NOSE 11' LT.	289	9,156.793	31,292.200	ILL. TERM. R.R. & RDWY 'A'
1,276,12 1,345,13			207	100 M (200) (200 C)			249	12,408.528	34,425.911	P.I. CURVE CE-1	290	9,209.455	31, 330. 213	ILL. TERM. R.R. & RAMP M
		F I CURVE F-1	208	0, 326. 991		P.O.T. END RAMP S	250	12, 175. 977	34, 390, 503	P. I. CURVE CE-1 END COLL. AVE. EXT.				
	(28 - 11, 141, 825)	P.C. C. CURCE, P. G.I. NOSE 18, RT.			RAM				RELOCATE	ED 4TH STREET				ONS OF CROSS ROADS
4, 923		F I CURVE 4	20+	8,113.627	34, 418. 185	P.O.T. BEGIN RAMI	252	12, 194, 655		F.C. CURVE R4-1	291	12,931.515	34, 456, 354	C BRDWY AVE & IRD ST.
	11,810.404	P.T. CURVE 4, END RAME P	210	9,045.694	34,083.591	F.O.T. RAMP T' NOSE 24' LT.	253	12, 140, 700	14, 890, 000	P.L. CURVE R4-1	292	12,984.317	34, 408. 835	C BRDWY AVE & RDWY C
	н	AMPIG	211	9,158.809	\$\$, 991.704	P.C. CURVE T-1	254	12, 123, 189	14. 812. 055	P. I. CURVE R4-1	293	13,034.241	34, 362.120	C BRDWY AVE & RDWY B
4, 503-14		PLC. CURVE Q-1, BEGIN RAME O	252	9,413,422	51,784.864	P.1. CURVE T-1	255	12, 074, 941	14, 680, 315	P. C. CURVE R4-2	294	11,555.127	35,081.862	C. MISSOURI AVE & RD WY C
4,844.01	12,814.272	1 L CURVE Q-1	213	9,735.293	31,848.181	P.T. CURVE T-1	256	12,077.32:	34, 607, 885	I.I. CURVE R4-2	295	13,653.137	14,991.806	C MISSOURI AVE & RDWY B
42.25.35	in) 11,011,466	F. O.C. BAME Q. NUSE 21" RT.	214	10,040.085	33,908.138	P. O. T. RAMP T NOSE 1911.T.	257 .	12,022.847	34, 548. 773	F. T. CURVE R4-2 & SHIFTS 20' RT				NE OUS POINTS
1,251.00	11, 102 000		215	10,262.237	33,951.839	P.O.T. END RAMP T				TO 258	296	9,502.993	50, 187. 240	END RAMP M
		SHIFTS 12 RT TO 173			RA	CMP U	258	12,037.554	34, 535.220	F.O.T. & 4TH STREET	297	9,496.506	30,183.758	P.O.C. RDWY A, END RAMP M 12'LT.
		P.C. CURVE 2-2		12, 522, 030	34, 139, 547	P.C. CURVE U-1 BEGIN RAMP U	259	11, 848.623	34, 330.202	P.O.T. & SHIFTS 5' RT. TO 260	298	9,038.521	31,171.801	P. O. T. KDWY. D. BEGIN RAMP
		1 I CURVE 042	217	12, 574, 759	14, 110. 576	P.1 CURVE 0-1	260	11, 852.300	\$4, 326.814	F.O.T. 夏 4TH STREET				N 12' RT.
	11. ALL 050	P. F. CURVE G-2. END RAME G	218	12, 374, 154	14,068.079	F. T. CURVE U-1	261	11,761.528	34,230.483	P.O.T. SATH STREET NOSE 16' LT.	299	9,096.256	11,721.224	F.O.C. RDWY. A BEGIN RAMP R 12'LT.
	(r.A.	MI R	21.4	12,046 466	34,028.417	I.O.T. RAMP U NOSE 24 LT.			TRENDLEY	ACCESS ROAD	100	9, 320, 517	32,020.009	P.O.C. RAMP 'R NOSE 19' RT.
	st, 21 +14	P URVE R-I BEGIN RAME #	220	655 332	11.698 (8+	P.O.T & SHIFTS 16' LT. TO 1220	203	10,257.474	\$1, 020, 551	F.O.T. BEGIN TRENDLEY ACCESS ROAD				STATE OF ILLINOIS
and the second		F 1 CORVERSE	1220	650 802	11 9 3 534	FOT SAMP U	264	10,226.724	\$5,587.090	1.C. CURVE T. A1			DEPA	ARTMENT OF PUBLIC WORKS & BUILDINGS
		P. C. C. RVE R. L	221	11, 300, 457	11, 829, 591	P.O.T. RAMP U NOSE IP RT.	265	10, 186. 422	13, 543.261	P.I. CURVE T.AI				DIVISION OF HIGHWAYS
2.411.0		I I TURVER.7		11, 305, 437	,,,e <u>,</u> ,,,,,	CONTRAME V SUB IT BL	266	10,135.100		P.T. CURVE T.A1				LIST OF COORDINATE POINTS AND DESCRIPTIONS

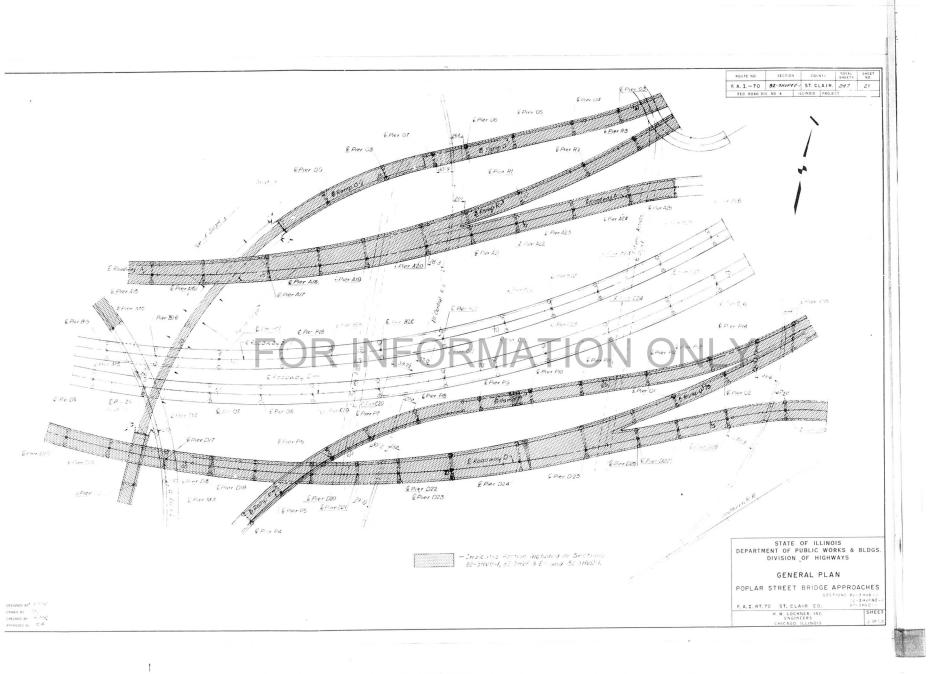
 \mathbf{i}

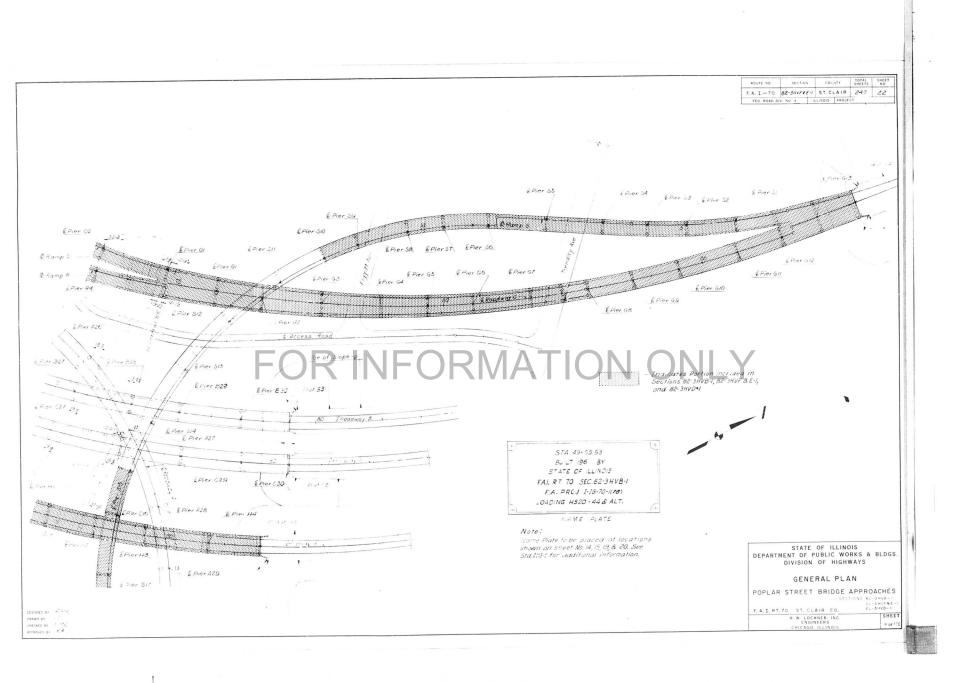
			a de la companya de la											FEDERAL-AID SECTION COUNTY TO	OTAL SHEET
OINT E NO	COORDINA NORTH E	TE	DESCRIPTION	FOINT CODE NO	COORDINATE NORTH EA	r .s t	DESCRIPTION	POINT CODE NO	NORTH	RDINATE EAST	DESCRIPTION				MTAL SHEET No. 18
		MISCELLAN	EOUS POINTS	T		MISCELLA	NEOUS POINTS							FED. ROAD DIV. No. 4 ILLINOIS PROJECT	
301	10,438.148		P. O. T. RDWY 'H' BEGIN RAMP	500	0.997 956 33		P. D.C. ROWY 'B' STA 82+00	400	6,436 555	8041 32,077 745	PC CURVE E-1				
302	11,079.811	33, 734. 558	"V" 24' LT. P. O. T. RDWY. "G" END RAMP U"	501	9.966 235 33	,680.852	POC ROWY "C" STA 83+00	401	6,436 963	32,065 752	P.C. CURVE E-2 ((2' RT)			E POINT LOCATION	
303	11,053.501	33, 735. 284	24" RT. P. O. T. RDWY. "G" BEGIN RAMP "S"	502	10,816 335 33	.828 469	POT ROWY B'STA 90+50	402	6,267 475	32,071 997	PI CURVE E-1	12-1	CONTINUE 7.000 001 35,40	D FROM SHEET No.) 7.7.3 TRAVERSE POINT	
304		34, 114, 581	12. L.T.	503	(0,786.51) 33	,893.944	P.O.T. RDWY "C" STA 91+50	403	6,160 533	32,056 354	PI CURVE E-2	14-E	7,462 290 35,242	2 093 THAVERSE POINT	
305			P. O. T. RDWY. "C" END RAMP "V" 24' RT.	504	(1,248.06) 33	.913 397	POT RDWY B' STA 94+90	404	6,098 621	32,085 294	PT CURVE E-1				
	12,517.397	з. 9 5	P. O. T. RDWY. "B" BEGIN RAMP U - 24' LT.	505	11,218 237 33	,978 871	P 0 T RDWY "C" STA 95+90	405	5,684 799	32.078.094	PT CURVE E-2 (24' RT)				
306	8, 825. 713	34, 409. 343	P. O. T. RDWY. A BEGIN RAMP T	506	11,699 411 34,	.002.184	P . T RDWY B' STA 99+50	406	5,763 001	32, 111 771	POT END ROWY"E"	POINT	COORDINATE		
307		34, 786. 593 34, 635 516	Q F A 14, 20° LT. OF P.C.C. D-5 B 6 P.O.C. RDWY. "D" END RAMP	507	11,7(8.647 34,	077.310	P 01 RDWY "C" STA 101+00		+			CODE NO.	NORTH EAST	DESCRIPTION	
308	0, 317. 532	34,033 540	13.73°LT.	508	12,140.949 34,	089 042	P 01 RDWY B" STA 104+00	407	5 765 159	8041 32, 141 678	P C CURVE F-I BEGIN RDWY "F"			RAMP "x"	
		1EMPORARY	ROADWAY D	509	12,160,185 34,		POT ROWY C' STA 105+50	408	5.873 528	32, 159 836	P.C. CURVE F-2 (24' RT)	440	4,519.954 31,994	083 PCT BEGIN RAMP X	
309	6,074 520	34,860 871	PI CURVE D-8 TEMP RDWY D	510	12,911 113 34.		POC RDWY B' STA.H2+00	409	5,917 916	32,129,650	PIC CURVE F-2 (24 RT)	44	5,028 024 32,144	752 POT LEFT CORNER 4 STUB 19' RT	
3/0	7,957 787	34,921 747	PT URVE D-8 TEMP ROWY D	511	12.927 434 34.		POC RDWY C" STA II3+50	410	6, 104 930	32, 152 946	P I CURVE F-2	442	5.033.426 32,126	5 536 LEFT CORNER 4' STUB	
31	7,750 626	35,029 782	POI TEMP POWY D' & SHETS H'LT	513	13,550 020 34,		POC RDWY L' STA H8+00	4))	6,070 668		P.1. CURVE F-1	443	5. 155 018 32, 182	P.C. CURVE X-I	
312	7,757 099	35,042 195	PC CURVE D-9 TEMP ROWY D	514	13,509 079 34,		P 00 RDWY "B" STA 120+50	412		52,166,878	6 1 COBAE L=S ((S, B1)	444	5.268.426 32.216	i 043 P I CUPVE X-I	
313	7,640 430	35,03 038	P CURVE D-9 TEMP RDWY D	515	13,800 (29 35,		P OC RDWY 'B' STA 125+40					445	5,376 457 32,264	PRCCORVEX	
3-4	7,543 47)	35,191,990	PT CURVE D-9 TEMP HOWY D				100 1001 0 310323740				NAY "EF"	446	5.503.273. 32,320	788 P.I. CURVE X-2	
315	792 366	15.079.084	POC TEMP ROWY D' NOSE SI' AT		-			415	5.764 (80		POT HEGN ROWY'EF'	347	5.64:095 32,303		
3.6	7,676.025	35,052 740	NOSE TEMP ROWY D' & TUDOR AVE.	- F	-()	R		4+4	5 751 701	\$2,127.746	POT NOSE POINT	446	• 5,639 (44 - 35,28	975 P.R.C. CURVE X-4 (6) LT	
		1EMPORARY	ROADWAY "A"						5, 744 242	32,128,297	9 NTS IF HOWY FE" AND RAND W	413	5,730 818	633 P. L. CURVE X-3	
317	e.101.565	34,890 343	PL CURVE A-6 TEMP. RDWY "A"					416	5,676 837	52,133 611	POT NOSE CLT	450	5,743 076 32,275		
318	8.030.910	35,001.429	PT CURVE A-6 TEMP. RDWY "A"					4 + 7	5.676.916	32 134 608	NOSE POINT	457	5,818 720 32,313		
519	7.905.572	35,198 469	FOT TEMP ROWY "A" & SHIFTS 14' RT.					4.18	5,496-057	12,186 985	P.C. CURVE (F-3 (39 LT)	452	5,844 900 32,299	637 .4-1 CONVE x-4 20' CT	
320	7 893 759	15,190 975	PC CURVE A-7 TEMP ROWY "A"					4.19	5,466 207	32, 150 218	P.C. CURVE EF-I			RANP N	
321	7,923 (15	35,302 043	- CURVE A-7 TEMP. ROWY "A"					420	5,373 200	32,118,430	P C CURVE EF-2	460	5,991 868 32,307		
122	1,726 36	35,391.046	F1 CURVE A-7 TEMP RDAY "2"					1440	5.318 320	32,150 626	POT NOSE POINT 0.283 HT	46)	5,970 358 32,320	480 P.C. CORVE W-2 18 36 11	
323	7.854.355	15,248 407	FOC TEMP HOWY "A" NOSE 33" LT.					14.42	5,256 985	32,144 744	POT NOSE 0565 RT	462	5,84) 034 52,289	45) P = CURVE W-2	
324	7.880.900	5,268 013	NOSE TEMP ROWY "A" & PIGGOTT AVE					42	5.257 059	32,144-184	NOSE POINT	46.3	5,842 560 32,27)	306 P - CURVE M-	
								427	5,369 741	32, 96 944	P I CURVE EF-3	1445	5,850 (45 32.24)	824 * C.C. BEGA 100-30-100 COMPOLAD CURVE	6
	7.5 + 641	-	Cous Points C F A K 15177 F F 1 4-5					423	5,246 530	32,162,667	P I CURVE EF-1	464	5,756.877 32,186	47) PT CURVE #-2 24 LT	
326			CTANA, POT TRAVERSE LINE					42.4	5.246 884	32,167 382	P I CURVE EF-3	465	5,755,573 32 44	777 P.T. CURVE N-1	
								425	5, 154 299	32,128 389	P T CURVE EF-I				
	_	00008/08- PIG	ISCAL DARESTOR					426	5, (54 299	32,125 714 32,098 H27	P T CURVE EF-1				
27		\$4,73) 350	POT 5-M SIME FOR MAKENDE LINE					42.7	5,040 (92						
129		4,200,796	<pre>F1 CODALCH FIGGURE CONNECTOR</pre>					42.6	4,524 620	32,098 336 31,974 635	P 01 LEFT CORNER OF 4 STUB 29 LT				
979	3.4.6.256	ni (n. 375	en finde for tan see to konstante tat							31,774 033.	FOI CAS HUNT EF			STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & DIVISION OF HIGHWAYS	
														LIST OF COORDINATE F AND DESCRIPTIONS	POINTS
														H W. LOCHNER. INC ENGINEERS CHICAGO ILL	

CONTRACTOR OF THE OWNER.

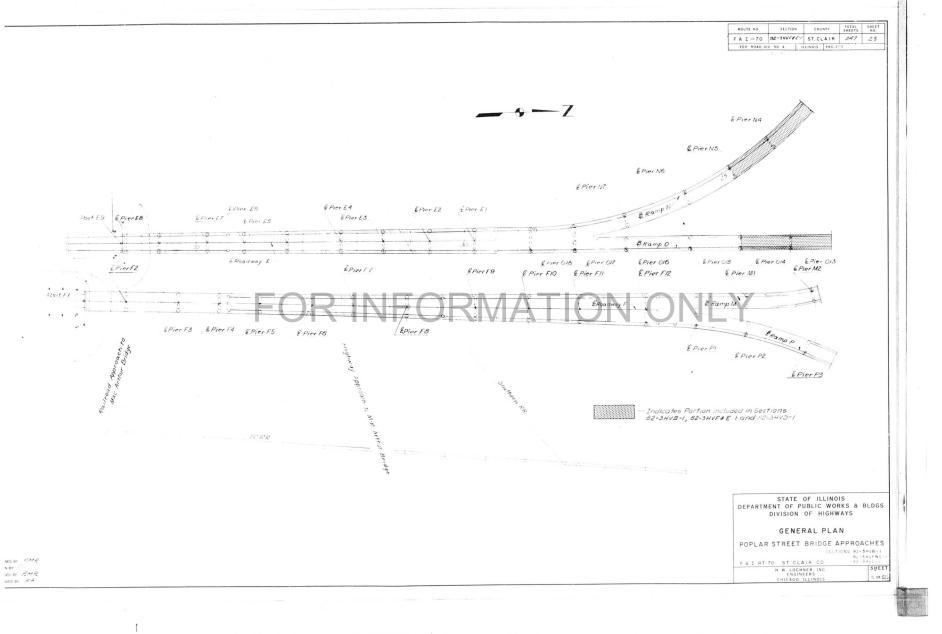


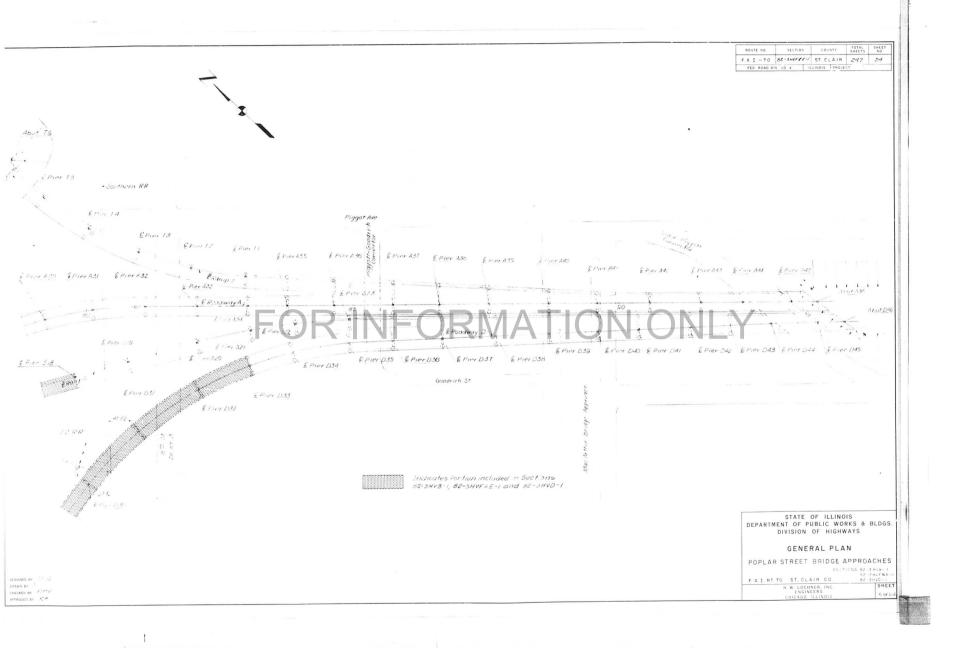






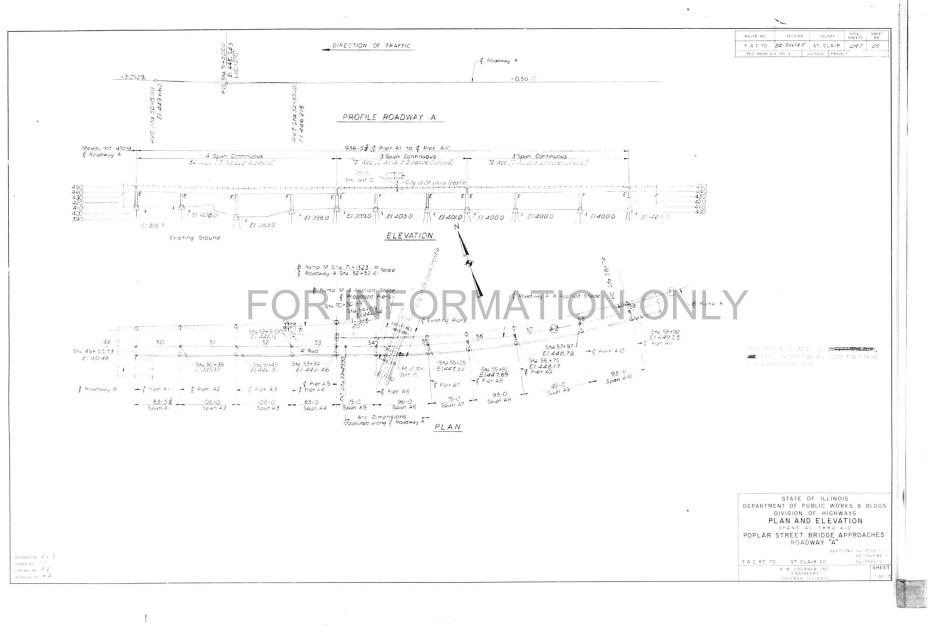


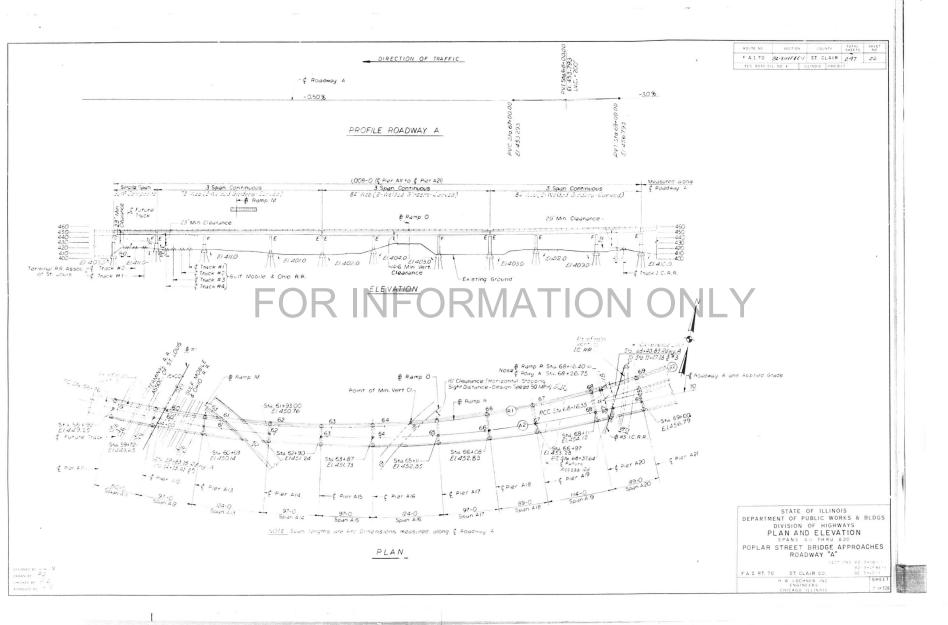


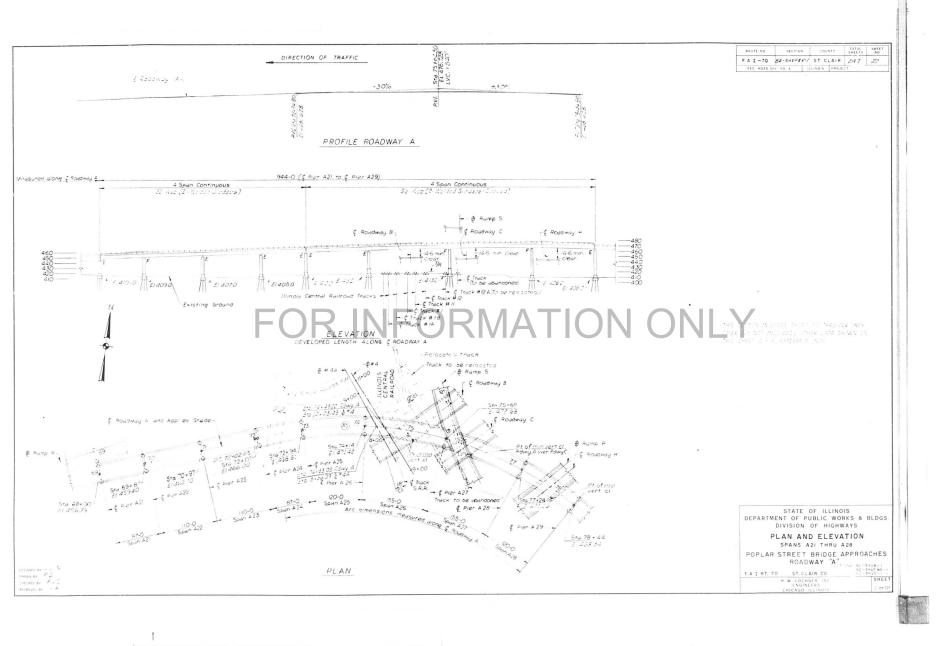


1

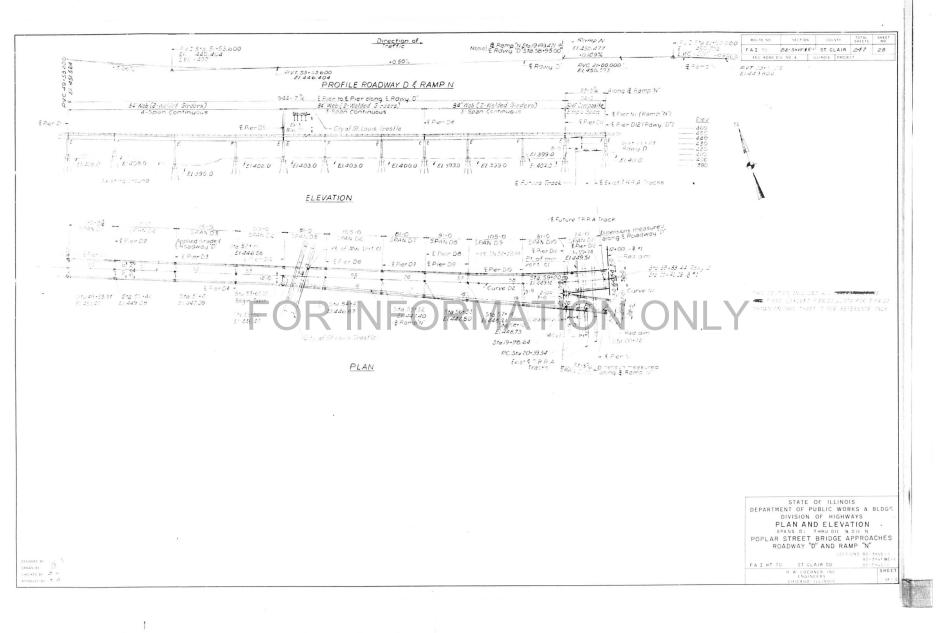
192 A STATE

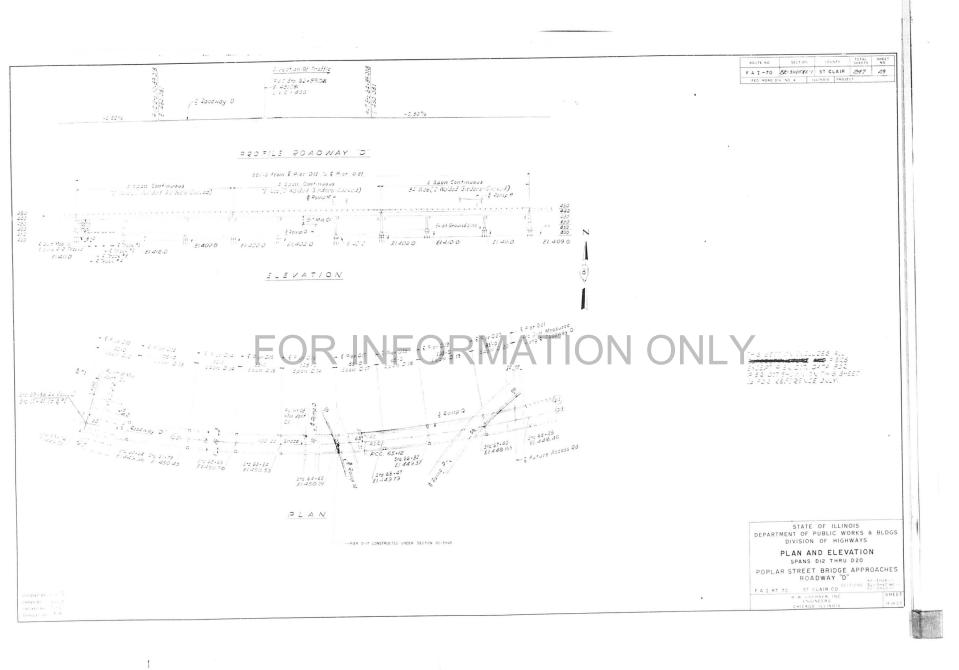


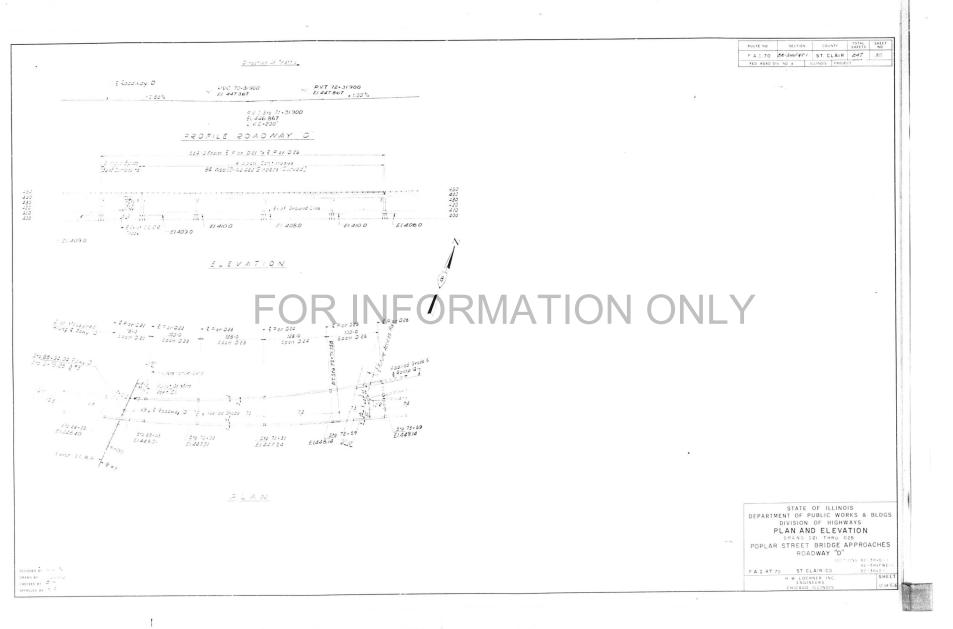




 $\begin{bmatrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & \theta & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \\ \end{bmatrix}$







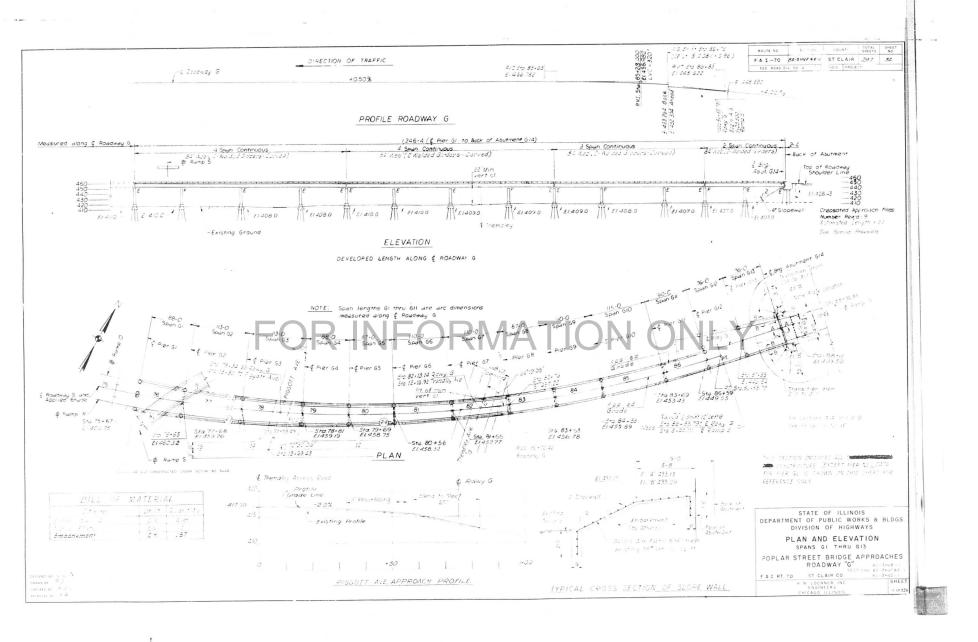
1

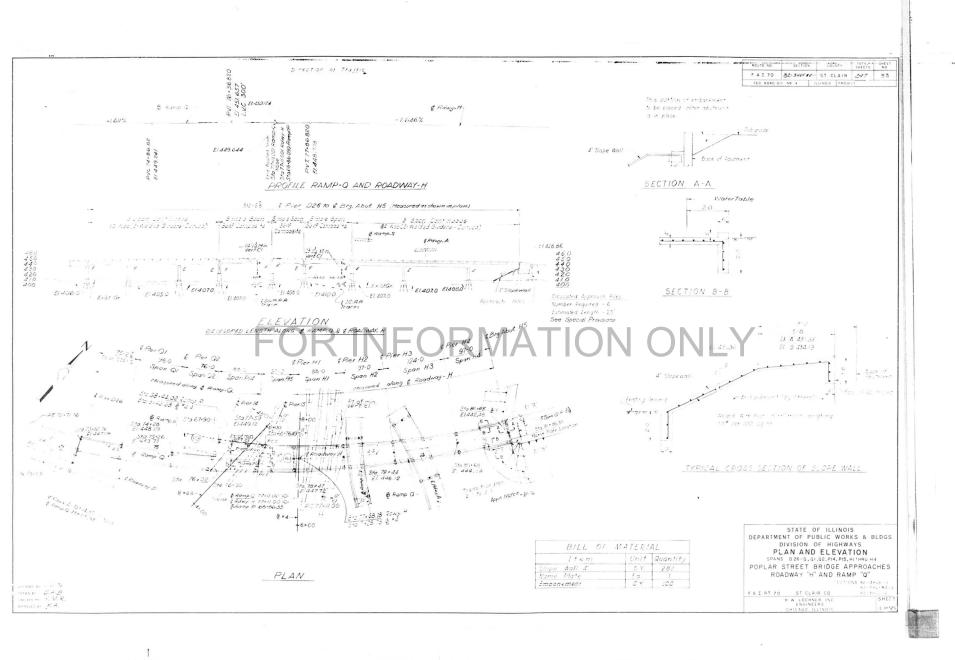
and the

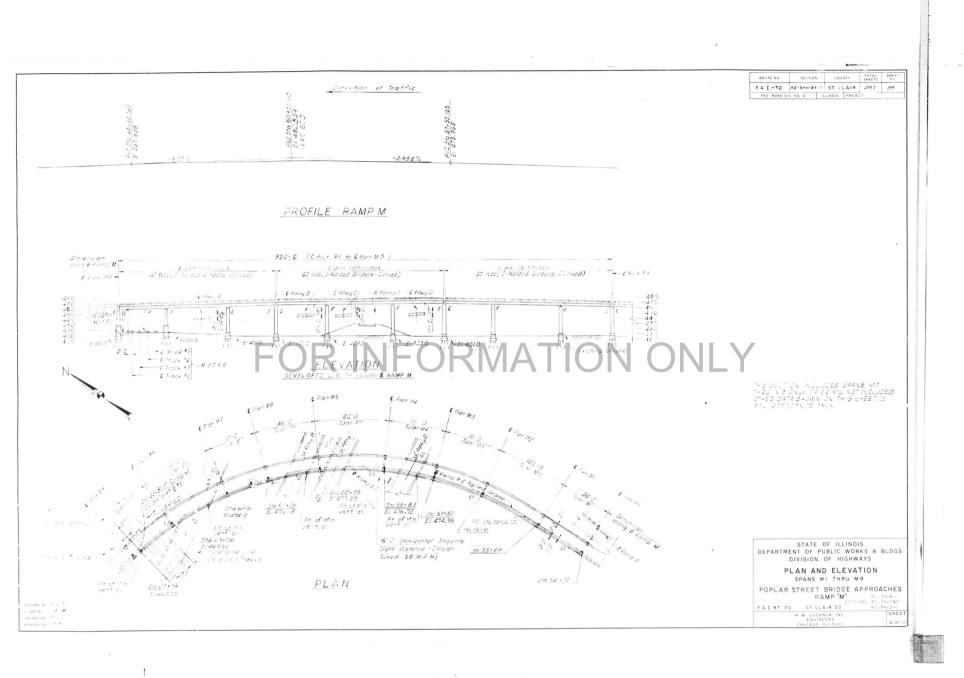
TOTAL SHEET SHEETS NO ROUTE NO SECTION - RV.I Sta 82+73.500 El. 458.283 LVC : 400' A -3 00 % Direction of Traffic F.A.1.70 82-344F48-1 ST CLAIR 247 31 E Roadway D +1.00% 00 PVC. 80+73 EI 456.283 PUT 84+13 5 EL452 283 PROFILE ROADWAY D 4200 4100 1079-0 E Pier to E Pier along & Rowy "D" 4000 12 Web(2.Welded Groers.Corved) 5 Spon Continuous <u>2 Rec C-Rolfed Greens-Corcea</u>) 3- Span Continuous 1 • E Pier Die -+ E Pier D36 - Der 033 Pier D 28 STREET Existing PROFILE ETE 460 450 430 430 430 40 1 28-25 Vert Cli - 6-2 FÌ 44' Vert.cl 5 11 Ex sting Ground 一番 111 517 / E14100-南ノ 1 EL406.0 5 4070 E1.408.0 E1.4010 E1 d13.0 - E Track ICRR E S R R - £8th St (III Rte 3 - 4 S.A.R Track ELEVATION ATION ONL TH & BECTON INCLUDES SPANS DIG THOD DED DALL OTHER DATA SHOWN DI THIS CHEET IS FOR REFERENCE OVEN. 137-0 SPAN 230 137-0 SPAN D31 137-0 DAN 229 92.08 22.09 D 92.08 22.09 0.32 18-0 cl ta 77.62 Sta 79+1 Tocks E1.454.74 EL453.37 and a 77 , A G Curve D4 51-81+63 Sta. 76+45 El. 456.78 Vert. C. of min El.452.00 f cl. Pt of ta 82.47 Yeg. ______Sta 80+56 El.456.11 50. • 1 Track 5-2 73-34.43 (24.9.) 18 75-43.061 5-5 5-03 07 5 73. :+00t . Sta (3+59 5(44) 4 - Pier D36 5-8.83+54 PLAN STATE OF ILLINOIS PT.Sta 83-8489 DEPARTMENT OF PUBLIC WORKS & BLDGS DIVISION OF HIGHWAYS PLAN AND ELEVATION SPANS D 26 THRU D 35 POPLAR STREET BRIDGE APPROACHES ROADWAY "D" Sta 84+38 FAIRT 70 ST CLAIR CO H W LOCHNER INC ENGINEERS CHICAGO ILLINOIS

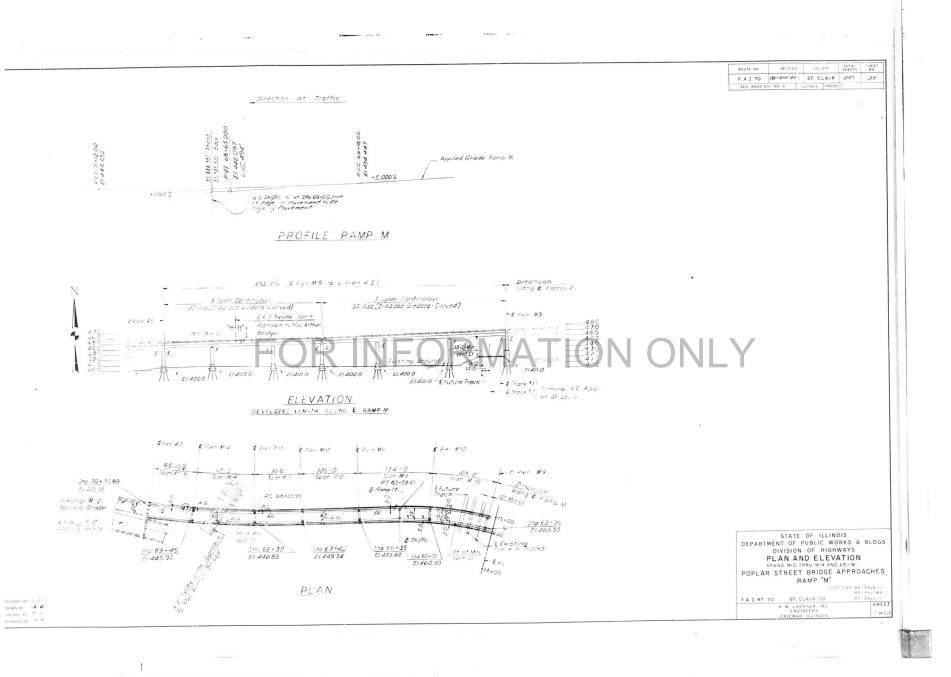
1

1



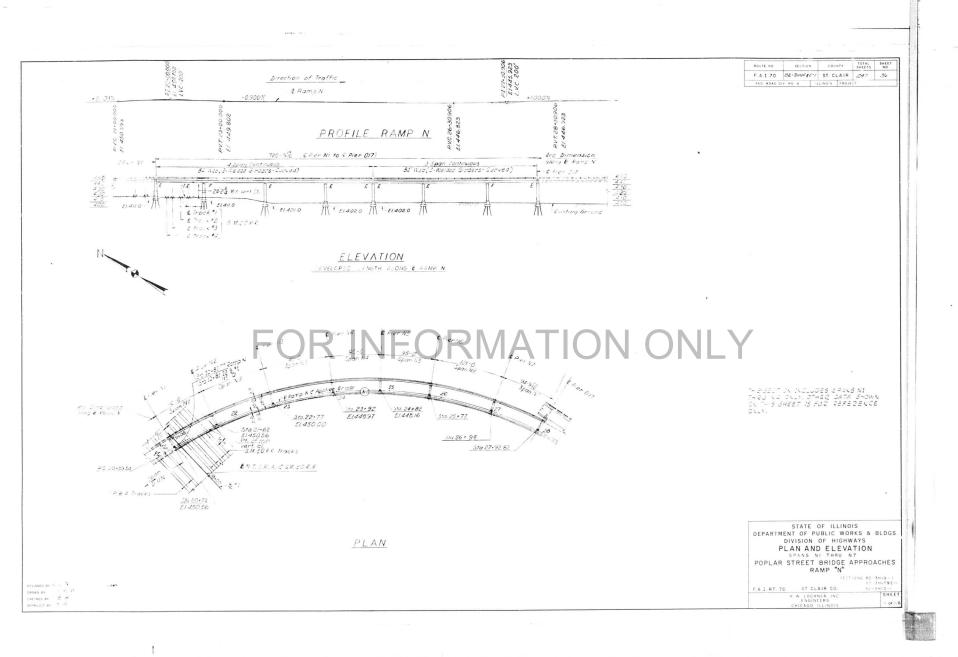






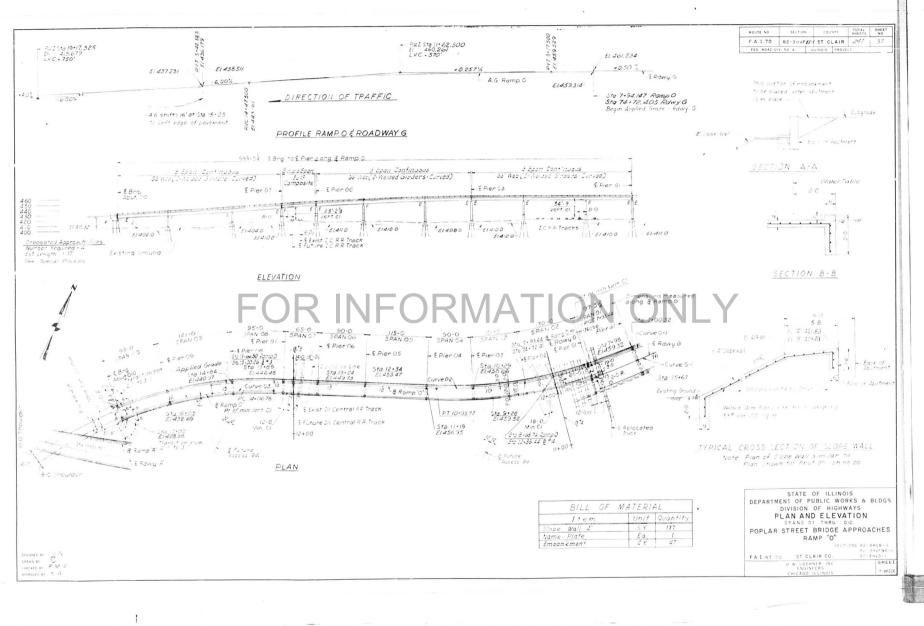
1

X.

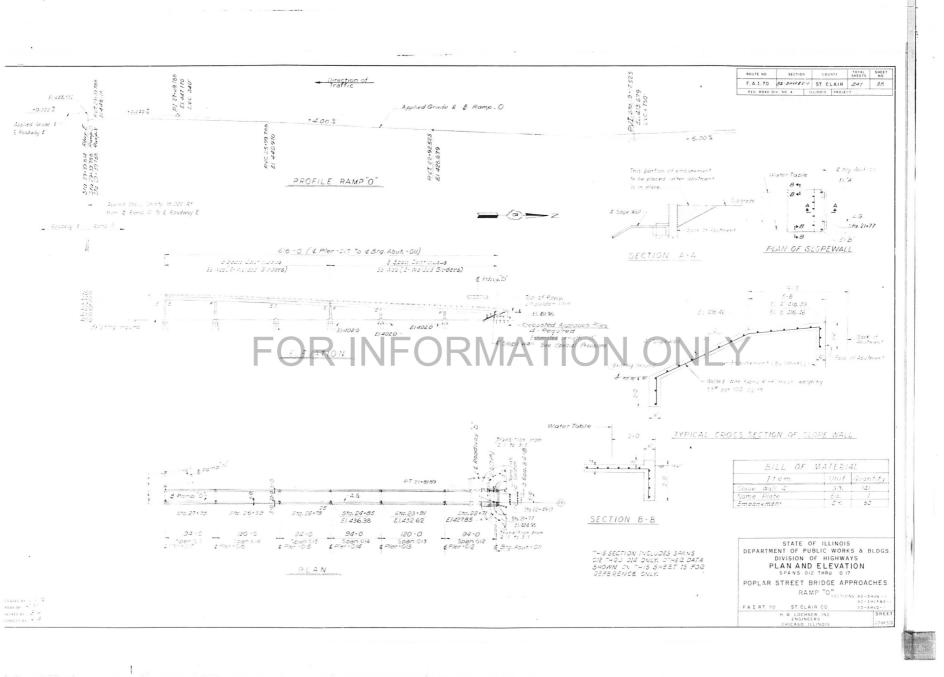


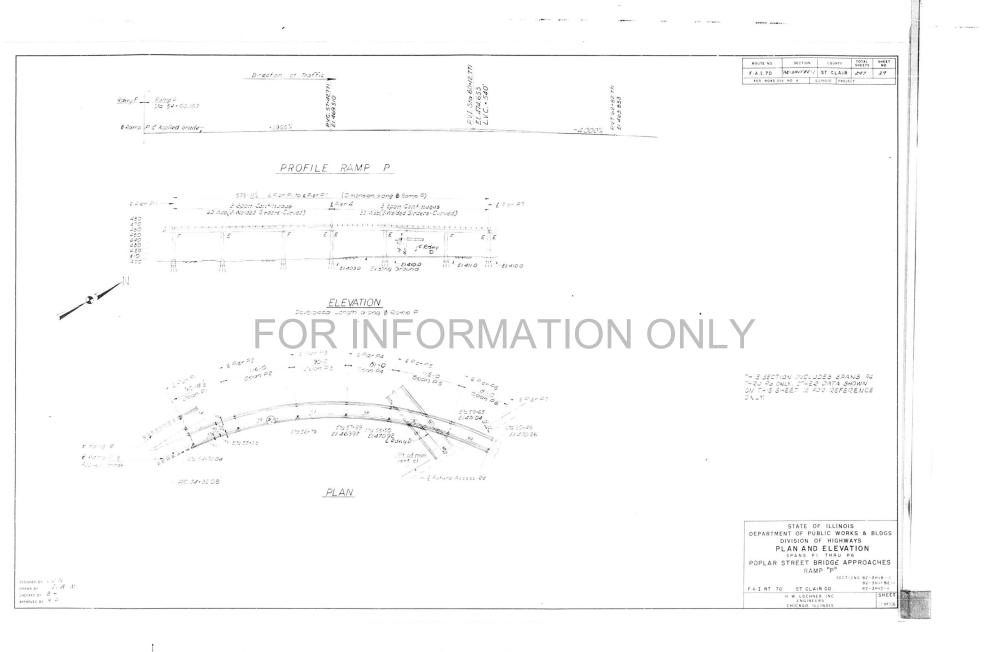
 $\begin{smallmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \\ \hline 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \\ \hline \end{array}$

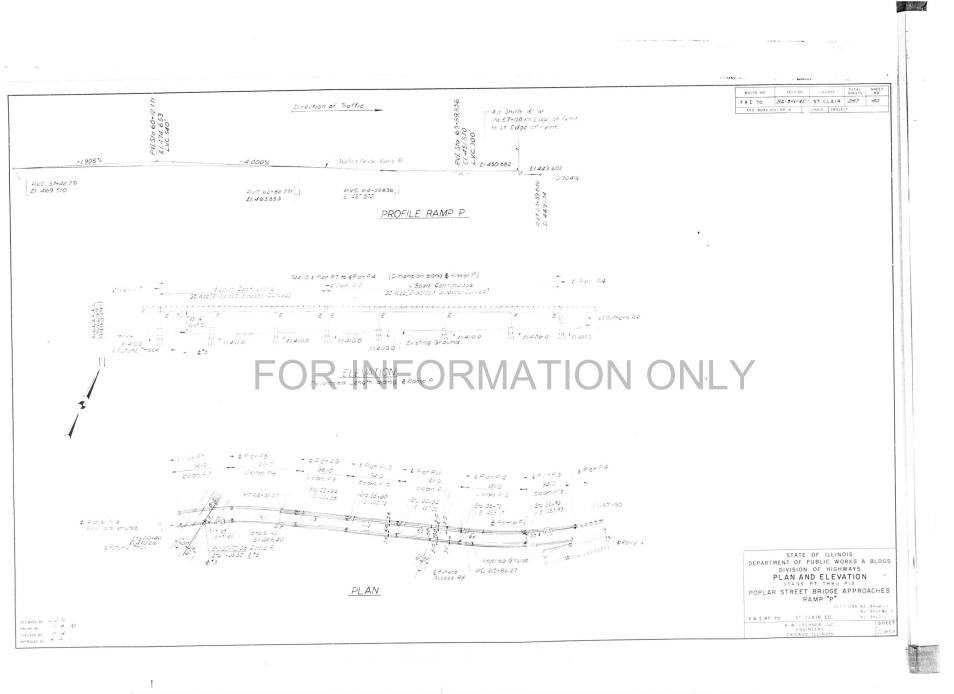
 \backslash

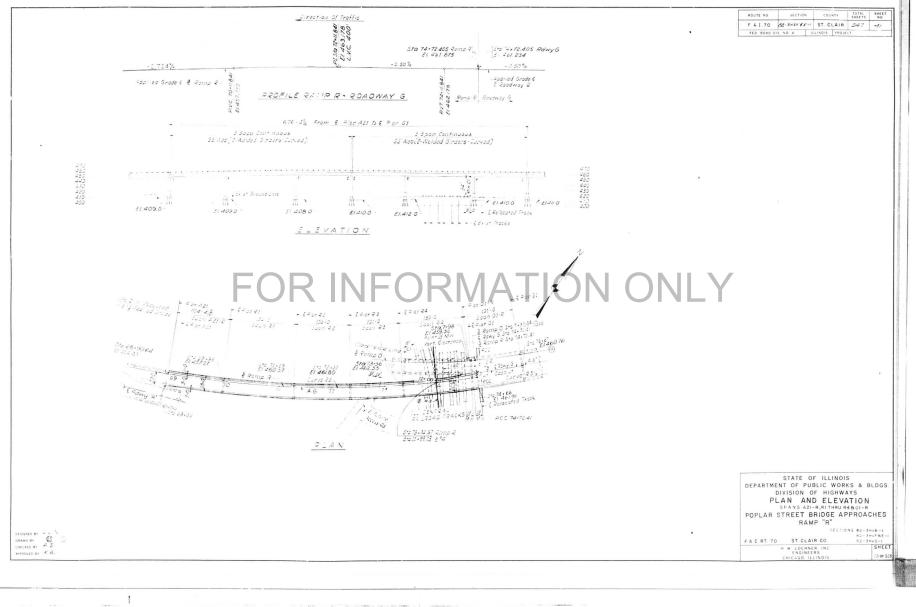


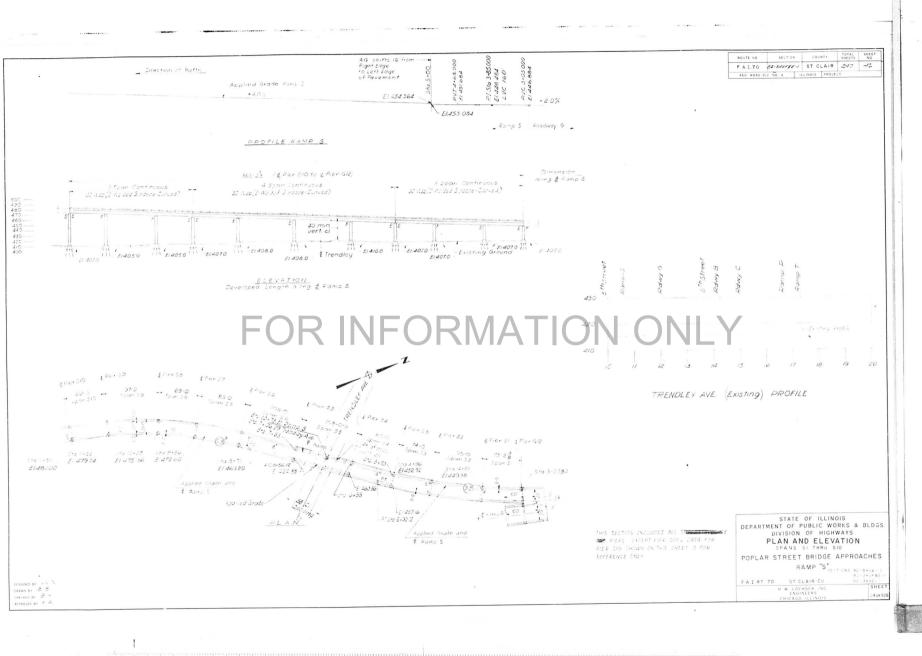
r a 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



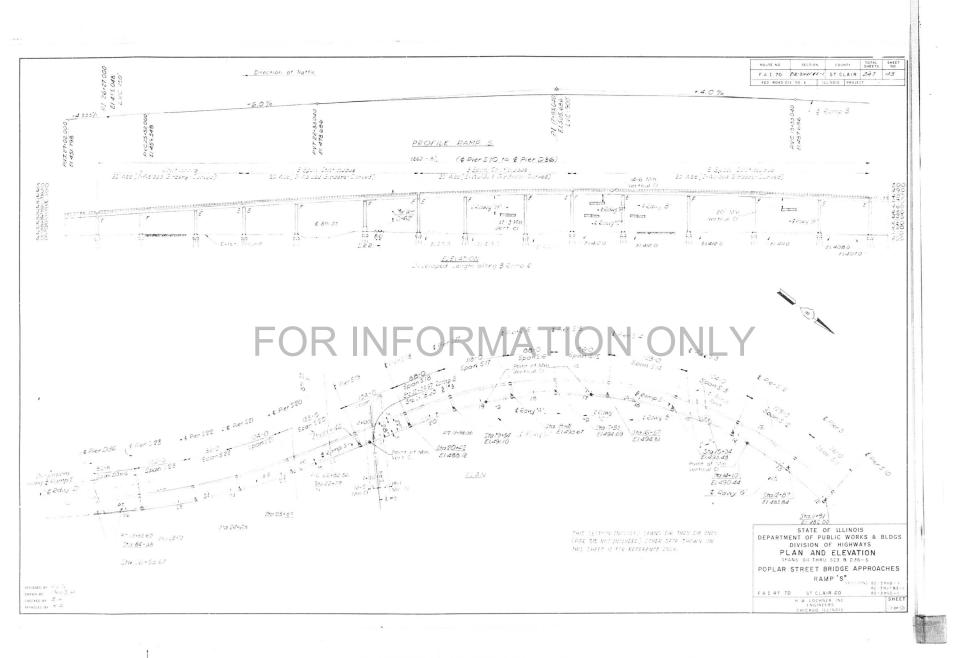


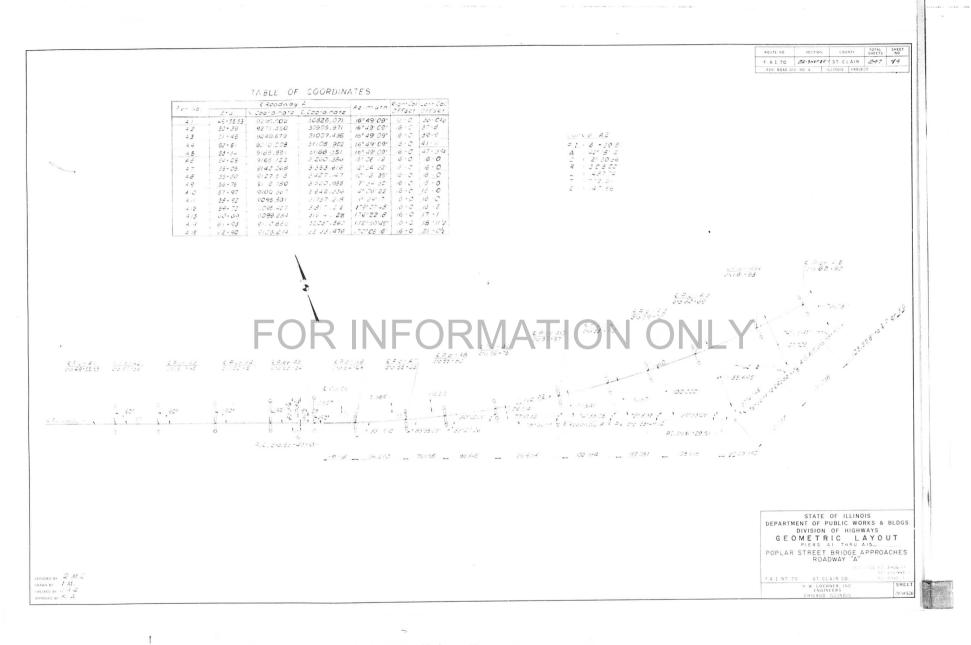


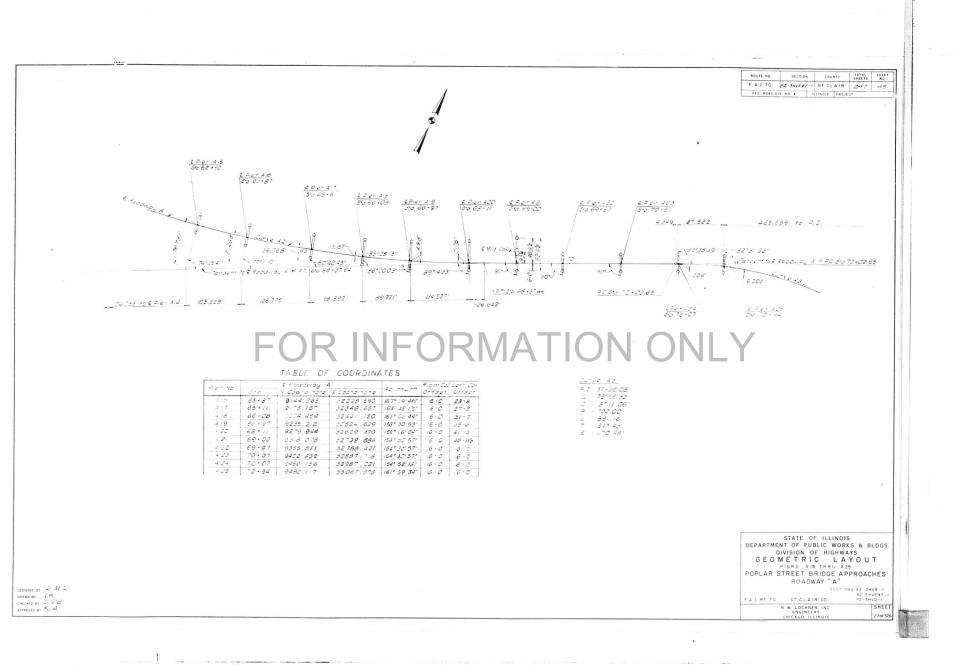


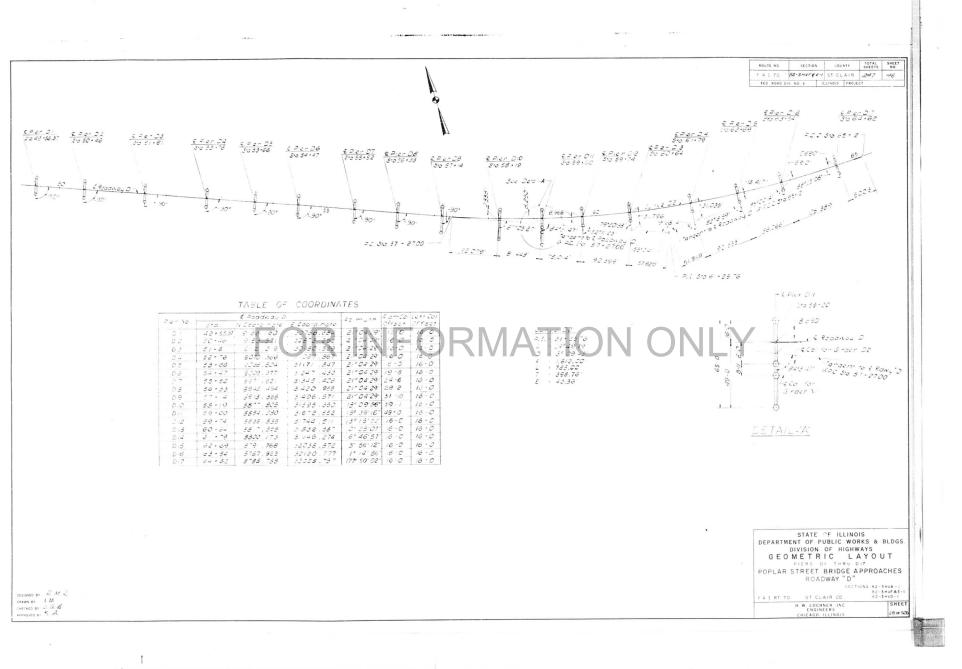


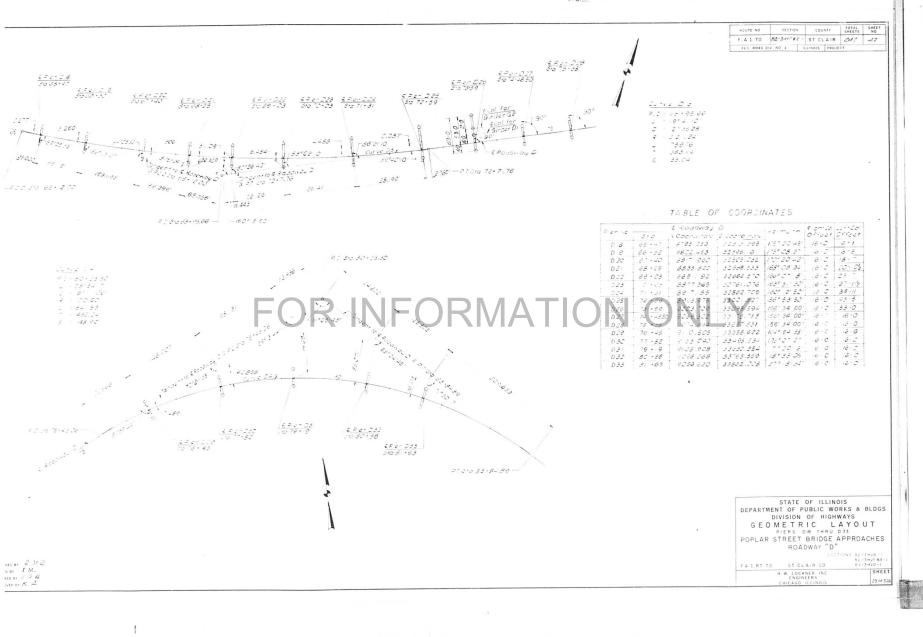


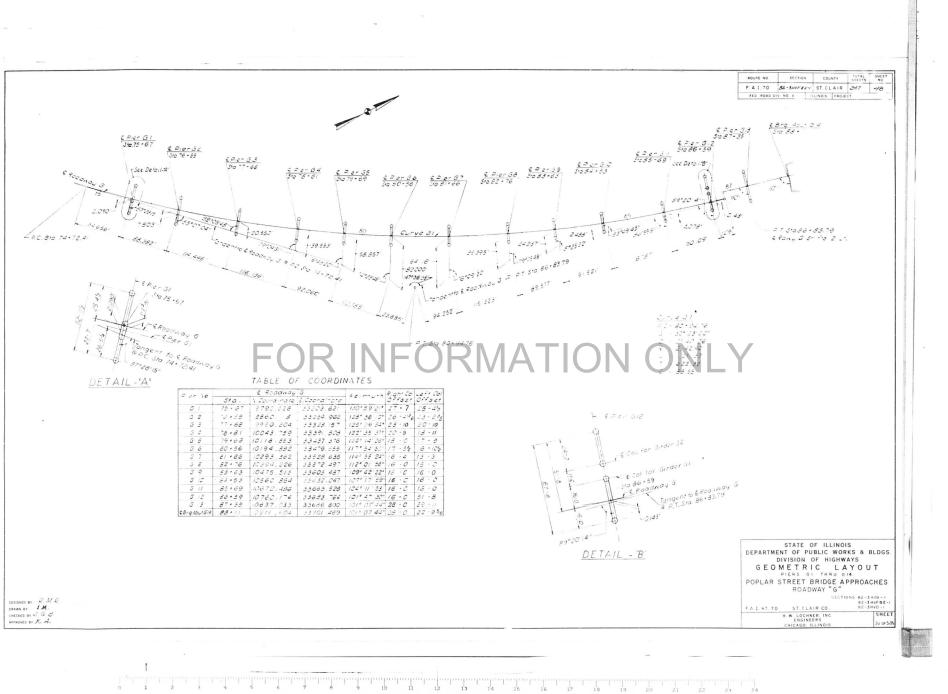


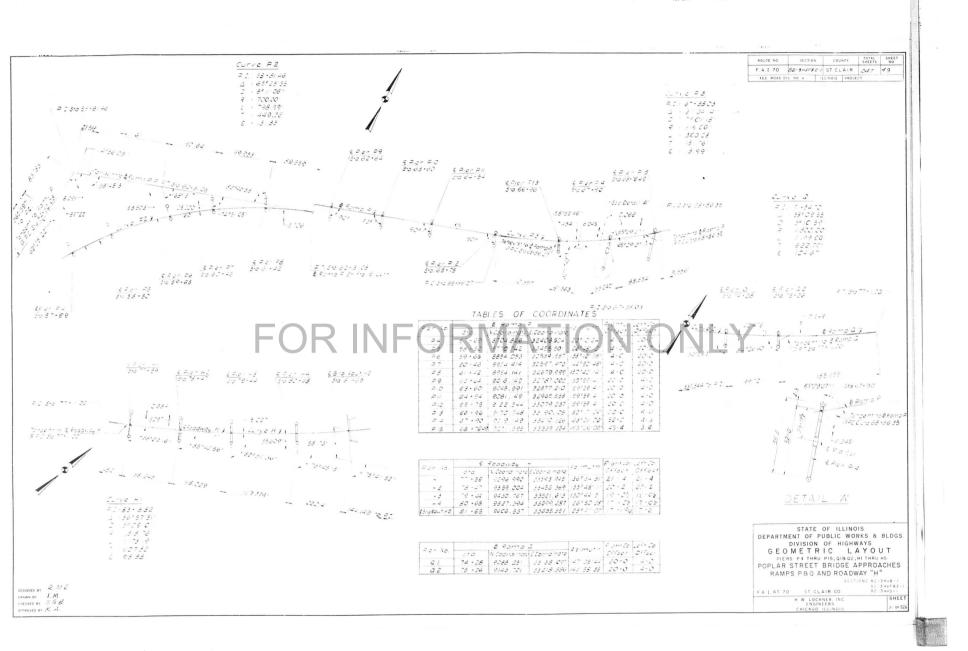


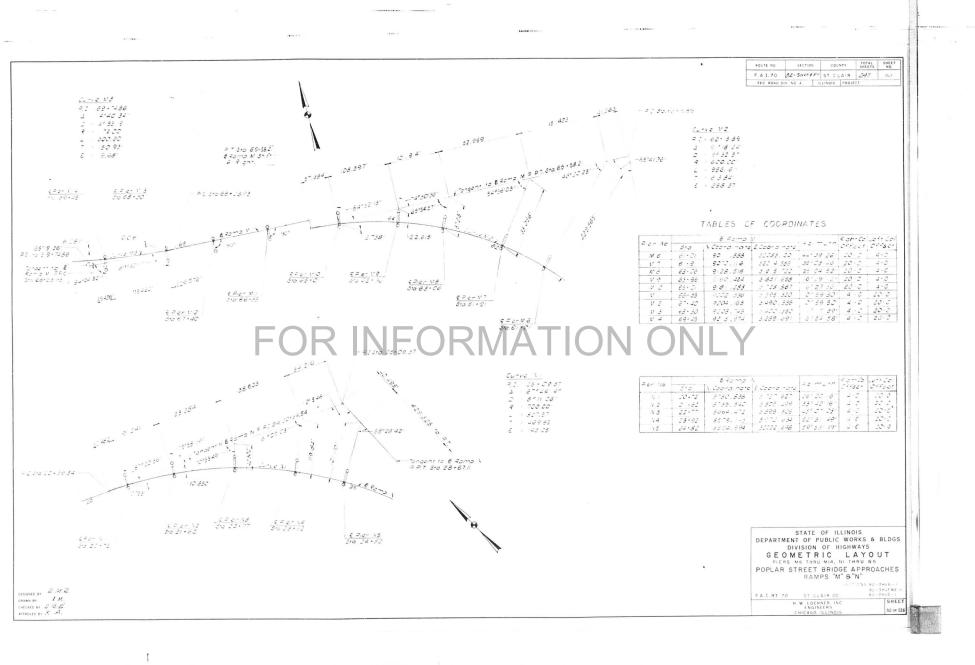


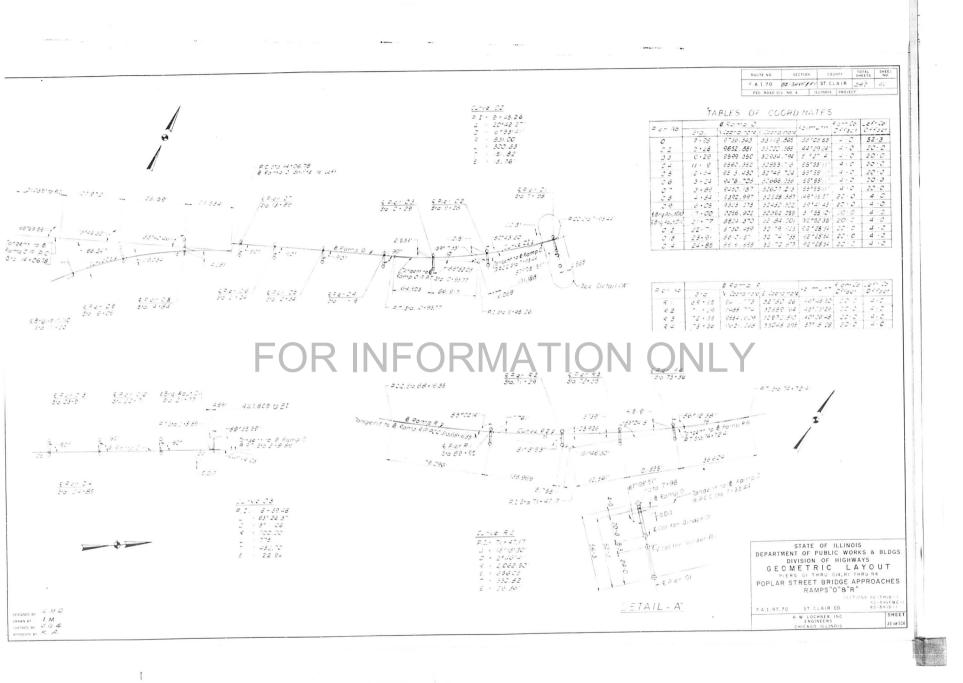






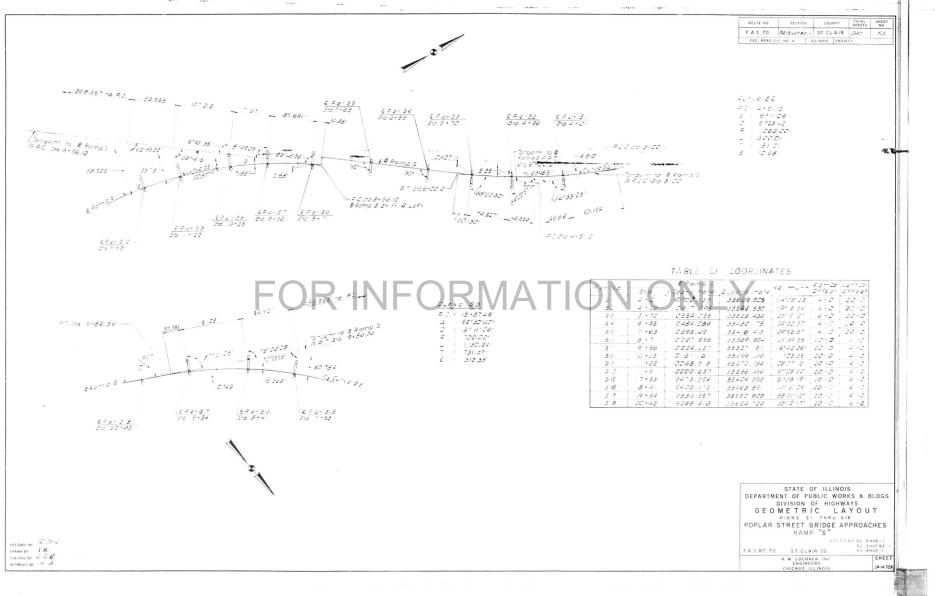






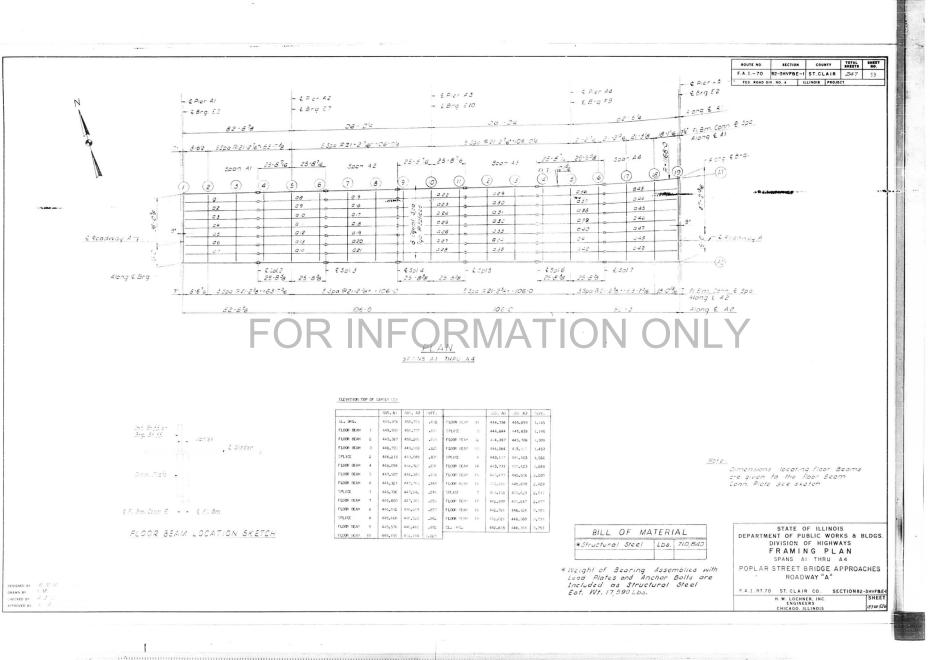


•

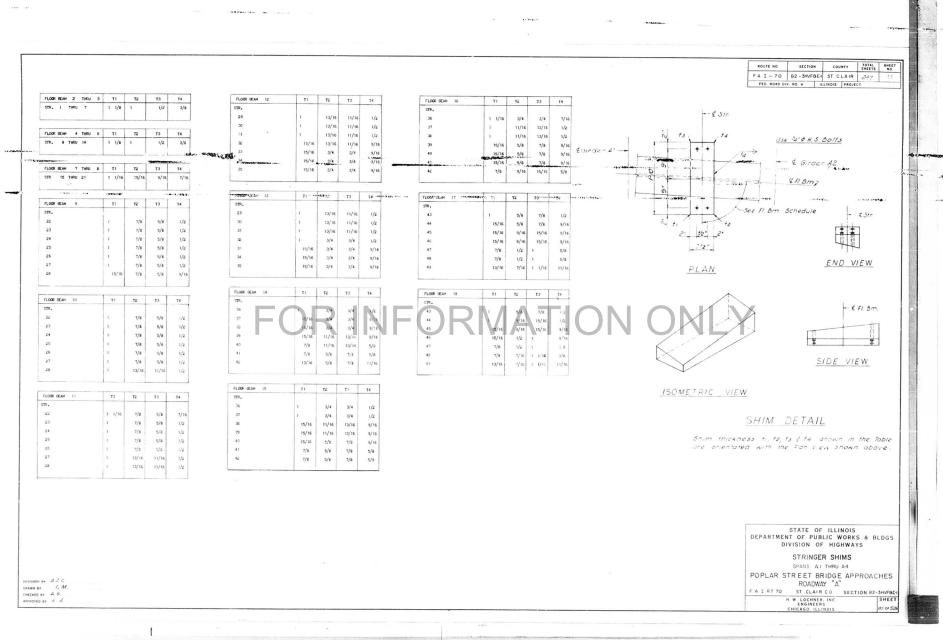


1 : 4

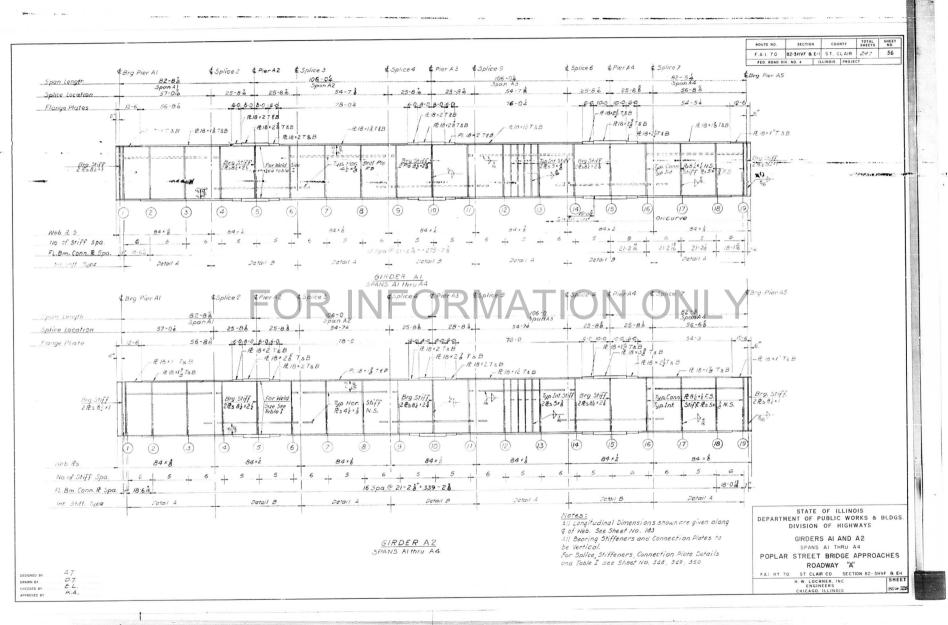
.

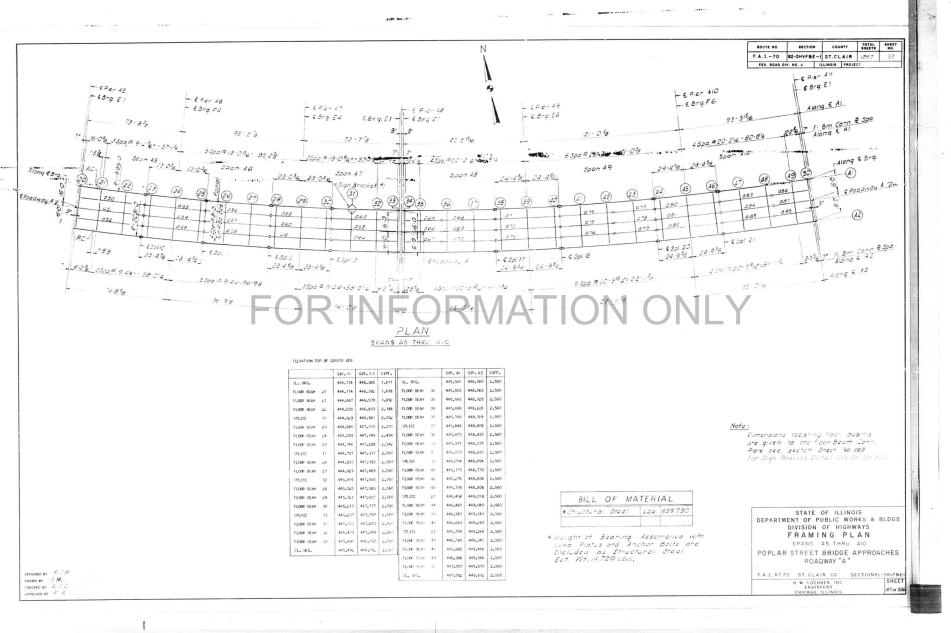


																																				ROUTE		SECTION			HEETS NO
ING	ERDI	ENSIONS												FLOOR	BEAM D I	ENSIONS																						2-3HVF8E			247 S4
a	ı		51		\$2		53	5		81	82			FL 8	н	L	F1		F2	F3		F4	F5		F6	F7		F8	A1	A2	A3		45	A6	A7	A8	A9			PLATE B	-
1	56'- 5	3/8"	18' - 6	7/16"	0	2	-2 7/16	16'-1	7/16*	88.59.51	91,00,09.				52'-		6'-6 1/1	6' 6' 6	1/16"	6 6	1/16 6	6 1/16	6 6 1	/16" 6	6 1/16"	6-6 1/	6 6 6	6 1/16*		88:59:51										12 + 34	
2	56 5	5/18	18 6	7/16	1	21	2 7/16	16	7/16	89.08.25	90.51.34			2	52 4	15/16	6 6 5/8	6 6	5/8	6 6	5/8 6	6 5/8	6 6 5	/8 6	6 5/8	6 6 5/1	6 6	6 5/8	88.51.15	88.59.51				1.	100000000000000000000000000000000000000					12 + 1	
		5/16	18 6				2 7/16		7/16	89.17.02	90.42.58				52 10	1/16	6 7 1/4	6 7	1/4	6 7	1/4 6	7 1/4	6 7 1	/4 6	7 1/4	6 7 1/-	6 7	7 1/4	88.51.15	88.59.51	89.08.2	5 89.17.C	89.25.37	89.34.13				1	-	2 . 1	
· 1	56 5		18 6				2 7/16		7/16	89.25.37	90.34.23				1	1/8	6 7 7/8	6 7	7/8	6 7	7/8 6	7 7/8	677	/8 6	7 7/8	6 7 7/1	6 7	7 7/8	88.51.15	88.59.51	89.08.2	5 89.17.C	89.25.37	1000000000	100000000000	89.51.24	90.00.0	0 12 ×1	34	12 . 18	
	56 5		18 6				2 7/16		3/8	89.34.13	90.25.47			5	1000	3/16	6 8 1/2		1/2	6 8		8 1/2	1 1 1 1 1 1 1 1		8 1/2	6 8 1/2	6 8	8 1/2	88.51.15	\$8.59.51	89.08.2	89.17.0	89.25.37	89.34.13	89.42.49	89.51.24	90.00.0	1211	34	12 . 18	
		1/4	18 6		,		2 3/8		3/8	89.42.49	90.17.11			6	1		6 9 3/1		3/16	6 9		9 2/16		/16 6	9 3/16	6 9 3/		9 3/16	88,51,15	88.59.51	89.08.2	89.17.0	89.25.37	89.34.13	89.42.49	89.51.24	90.00.0	0 12 +1.	34	2 . 18	
- 1	56 5		18 6		0		2 3/8	1	3/8	89.51.24	90.08.36			7	1000 0 1		6 9 13/1		13/16	6 9 1		9 13/16		/16 6	9 13/16	6 9 13/		9 13/16	88.51.15	88.59.51			\$9.25.37	89.34.13	89.42.49			0 22	34	2 18	
	51 4		4 6		21 2 7/ 21 2 7/		7/16	4 4		88.59.51	91.00.09				55 4		6 10 7/10 6 11 1/10		7/16	6.10			1	/16		6 10 7/1		7/16	88.51.15	88.59.51	63.08.2	89.17.02	89.25.37	89.34.13	89.42.49	89.51.24	90.00.0	0 12×1	4	12 . 18	
1	51 4			ALCOHOL:	21 2 7/			1.		89.17.02	90.51.34		-		55 9		6 11 11/1	10000	11/16	6 11 1		11 1/16	31		11 1/16	6 11 1/1		1 1/16	88.51.15	88.59.51						89.51.24	90.00.0	- E - S		12 . 14	
		13/16	4 6		27 2.08)			1		89.17.02				11	56 2		7 5/1	2	5/16		5/16 7	11 11/16	6 11 11,	/16 6	11 11/16	6 11 11/1		11/16	88.51.15	1	1		89.25.37	1			90.00.0			12 × 14	
		13/16	4.6		21 2 7/					89.34.13				12	56 7 1		7 9/11	1 .	5/16		5/16 7	1 5/16	7 5,	/16 7	5/16	7 5/1		5/16	88.51.15	88.59.51	1			89.34.13		89.51.24	90.00.0			12 . 14	1
		13/16	4 6		21 2 3/			4 6		89.42.49	90.25.47			13		11	7 1 5/8	7 1	6/0	7 1 5	10 2	1 5/8	7 1 5/		1 5/8	7 1.	7 1	· II	88.51.15	88.59.51				89.34.13		89.51.24	90.00.0		-	12 . 14	
- 11	51 4		4 6		21 2 3/		2 3/9	4 6		89.51.24	90.08.36				57 6	· II	7 1 3/4		5/16	7 2 5		2 5/16			2 5/16	7 1 5/8		5/8	88.51.15	88.59.51				89.34.13						12 . 13	
- H	54 7	~~~~	16 8		21 2 7/		0		7/16	88.59.51	91.00.09				57 11		7 1/2		5/16	7 3 5		3 5/16	7 3 5		2 5/16	7 2 5/1		2 5/16 3 5/16	88.51.15 88.21.26	88.27.39 88.27.39			89.07.13		100000000000000000000000000000000000000	89.46.48				2 . 138	
6	54 7	1/4	16 8	1/16	21 2 7/	16	1	100000	7/16	89.08.26	90.51.34			16	58 9	1/4	7 3 5/16	7 4	1/4	7 4 1	205 J C	4 1/4	7 4 1)		4 1/4	7 4 1/4		1/4					89.07.13	89.20.25						12 . 13	
7	54 7	1/4	16 8	7/16	21 2 7/	16			7/16	89.17.02	90.42.58				59 11		7 2 15/16	7 6	3/8	7 6 3		6 3/8	7 6 3/		6 3/8	7 6 3/8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3/8	e6.16.30	88.27.39						0.000.000000	100000000	1 0 0		12 . 13	
8	54 7	1/4	16 8	7/16	21 2 7/	16				89.25.37	90.34.23			18	61 6	3/8	7 5 3/16			783		8 3/4	7 8 3/		8 3/4	7 8 3/4		3/8	85.13.55	86.15.08			87.51.23		0.000000000					12 + 12	
9	54 7	3/16	16 8 3	3/8	1 2 7/	16		16 8	3/8	89.34.13	90.25.47			19	63 2	1/8	7 10 3/4	7 10	3/4	7 10 3	0/4 7 1	10 3/4	7 10 3/		10 3/4	7 10 3/4		3/4	84.20.32	86.15.08				88.23.31			90.00.0			12 . 12	
0	54 7	3/16	16 8 3	3/8	1 2 3/6			16 8	3/8	89.42.49	90.17.11					U		-to-						-				- <u>-</u>			1		0.000023		30.55.40	67.67.50	30.00.0	1.2.1	4	12 \$ 18	1
1	54 7		16 8 3	7. I I	1 2 3/8			16 8	3/8	89.51.24	90.08.36										¢ /		Ch																		
	51 4	- C - 1	4 6	- 13	1 2 7/1		2 7/16	4 6		88.59.51	91.00.09		(4)	0	4.3	i.e	tor		1				Shims				A2)		(41)											\bigcirc
	51 4		4 6		1 2 7/1		2 7/16	4 6		89.08.26	90.51.34		_		2.		1 217		£ Str		211	4.51	\sim	E Str.	13		Ŷ		6	9	ŧ.s.	- 4	Sir	£ 510	\$ 5	. 4	5	Is-	£.	sin	(A2)
	51 4	7/8	4 6	- 1	1 2 7/1		2 7/16	4 6		89.17.02	90.42.58				-11	-			÷1	5	-	1.r	\sim	11	[7]															EF BA	ion-R-
	51 4		4 6	- 1.1	1 2 7/1	- H	2 7/16	4 6		89.25.37	90.34.23	_		-	++	25.00.00	-14-	1000	111		they a	2.111		-	-		. 1	ERD	<i>m</i> .	1011	-	1-	- +		- 1-	1 .	1	1 1		1	at 1
11			4 6		1 2 7/1					89.34.13	90.25.47	- /		1.17	1	1.1	-111	3	141,3	11		-19	14 X	41.	4 注			"		4	-	1.1	1 2 12	W Z		2	1	11	14		
- 1	51 4		4 6		1 2 3/8		2 3/8	4 6		89.42.49	90.17.11	- (-1		· ^ _			-		-11		20	/-i*-/		<u>, </u>	1	(200)	5		-	11		-	P2	-A5	- 10	- 4	7 1	- 18	= - +9 = FI. Bm.
8	51 4	13/16	4 6		1 2 3/8		2 3/8	4 6		89.51.24	90.08.35									EL.	AN						1 1		-				FL.	- AN-	END	FL. BM	. 19				: /1. DM.
1	54 7 54 7		16 8 7		1 2 7/1		0		7/16	88.59.51	91.00.09										ζ						+ 14	Vana 4	- E 5m						,			4	10009	FI Am	Conn ₽
- H	54 7				1 2 7/1			16 8		89.08.26	90,51,34				-	12		13		- 4			: 6		. 7	F.5		long g	i a sarra	F	1	:2	= 3	-	, -	FS	: 5		-	- 0	
2					1 2 7/1				7/16	89.17.02	90.42.58	1- 4%	11				2-0_		F4/2	14.2	4			2.0		5	SI	-1-458		-	T		[732_73	2T							
1	54 7				1 2 7/1			16 8 16 8		89.25.37 89.34.13	90.34.23		10	F				M:1/-				-		-		1	1		41 5	170				1 1	-	1 1	5		1	- 4	
	54 7		16 8 3		1 2 3/8	•		16 8		89.42.49	90.25.47			1		-	T	Tt	1	1		1		1					1	F					- 5						4
1	54 7			en pe	1 2 3/8		<u>t</u>	16 8		89.42.49	90.08.36						1		1					1	. 1			or Conn				1 1	6		1		1º cont	æ			
	51 5		4 6	·	1 2 1/2	21	2 1/2	4 6		88.27.39	91.32.21						1		36					1	500		Ne Ne	ntail see 0.348	. on 5			1 1	1			A	10 10	1		1 1	4
7	51 4	15/16	4 6		1 2 7/1		2 7/16	4 6			91.19.10					1	1	11	1 /	-	1 1	i	1	1,	1/1	-				1-4	11	4		11. 4 . 30	1 6 4 7	s /	L.P. "A	. L.	₽ "B"		
	51 4	15/16	4 6	2	1 2 7/1	5 21	2 7/16	4 6		000000000	91.05.58			1	~	1.		1		Int. S.	tween a	8 N.S	5F5	€ "8		×.				11/	60.38	Neo	(-,	207:0	n 23	1	AL A	4	εD	Y	
	51 4		4 6		1 2 7/1		2 7/16	4 6			90.52.47			_	~ °	c.	n ³ sNet	23					• £3)		6-9.5	@ £ 5	* 2 N S	5 2 - 3	2		R 2*				9218	L	onn. PT	. 2 N.S. fo	FIBA	19, F.S.F	Brn I
			4 6	2	1 2 7/1			4 6			90.39.35								EL	EVA	4710	\sim			1.40	- x 0								EL	EVA	TION	nt. Stiff.	4.38 F.S.	tor FI E	5 <i>m 19</i> ,N.S	.Fl. Bm I.
	51 4	13/16	4 6		1 2 7/1		2 7/16	4 6			90.26.23				IN	TE	DIA		10	00	BE	A 14		TIID	11 10				(41)	15-	k	5	\$ 5.0	£ See		5		1		42)
	51 4	13/16	4 6	2	1 2 3/8	21	2 3/8	4 6			90.13.12				114	I L	101	1 /	LU	UR	σc	AW	2	NAR	U 18						1	Ť		401	2.000	£	-	\$5-0	13	510	TOE FI.B.
	56 1	1/16	16 8 13,	/16 2	1 2 15/1	5	0	18 1			93.44.52			1	-8		1				1-5:1	3m (Conn. R	1		-	i i			-	ų			14	4-			14	n. IL		-1
	56	11/16	16 8 11,	/16 2	1 2 13/1	5	•	18 1	1/8	86.47.11	93.12.49		-	1	- 0			ſ€.	Str.		1			1	82	YI				14		A2	1	11.			1	1	-	1	1
		5/16	16 8 5,	18 2	2 11/1	5		18 1		87.19.16	92.40.44		*		1		1	1	0.00	1	1					1-1	F 2			1- 2	-	AZ	A3				1-16			48	-49
1			16 8 9,		2 9/1			18	15/16	87.51.23	92.08.37						1				+			1.1-									PL	AN	END	FL. BN	1. 1		É	E. 8m.c	'enn Æ—
	55 11		16 8 1,		2 1/2					88.23.31	91.36.29			- 65	dice -	r E) -	in Coni	æ					Schedule	- 4				1000				ENID	E1	000	D/-			0 10			
					2 7/1			18	· · ·	88.55.40	91.04.20						- Com	Æ			- € -	.37.0	Conn E				Conn	ce or	- âm			END	FL	UUR	BEA	4/VI /	AN	ID 19			
1 5	5 11	5/8	6 8 7/	16 2	2 7/1		0	18	13/16	89.27.50	90,32,10			•	51		•	52				53	1	+-	54		com	1							Г						
																												Note								DEPAP		TATE OI			& BLDGS
																			1.1.772									Note.		b / -	of Sterie	Dere .	and it	Bros is	.	- LI AR		SION O			
																					are A			î.					corre	cr as .	given 1	n the t	0510 23	cent t	he	S		R AND			
																		one	029 M	14 04	g are la	5 Nº 50							incre	ment	lengt	ts ore	giver	n to th	e			SCHE	DULE		
																			-										near	251 14	F .							SPANS AI			
ED 81	4.7	& AJ	C																	1									plan	P.	075 0	eini	ne nor	izonta		POPLA	R STI				OACHES
8Y	1.	M.																TVD	IC A	1	STR	INIC	50								diate S	iffener,	Brg. Sti	fener a	nd	FAIRT	70	ROADV			
ED BY	A.A K	A															-	IP	IC A	L	SIR	ING	ER											Sh. No.3				ST CLAIF ENGINEE	P INC	SECTIO	N 82-3HVFA
																																						ENGINEE	PS		184 or 5

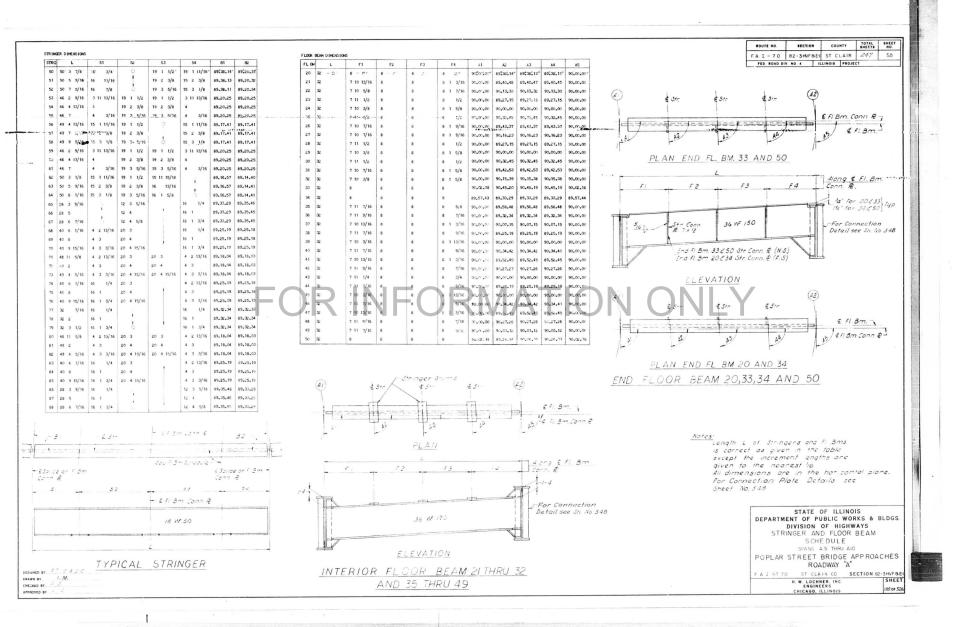


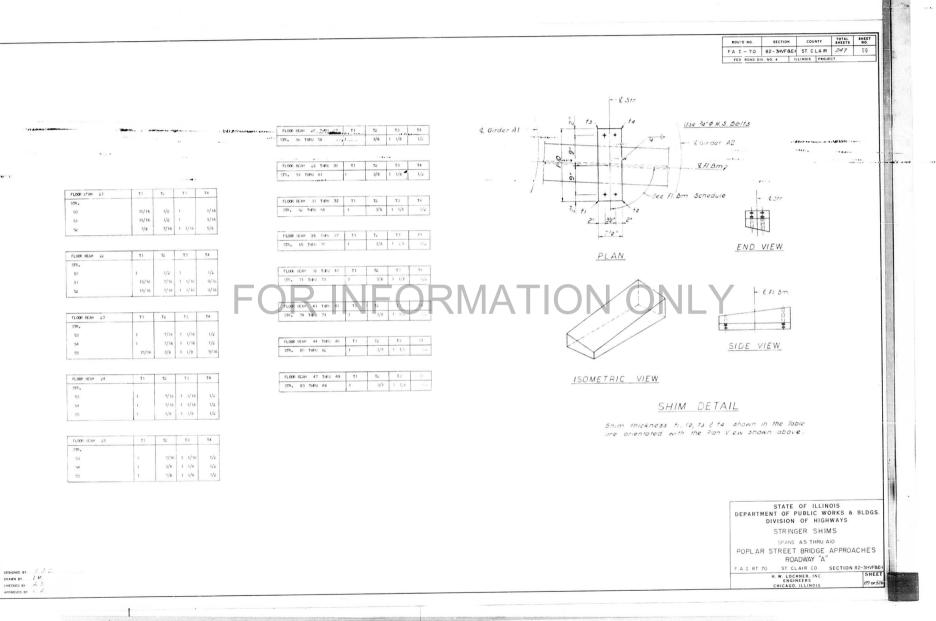
 \backslash

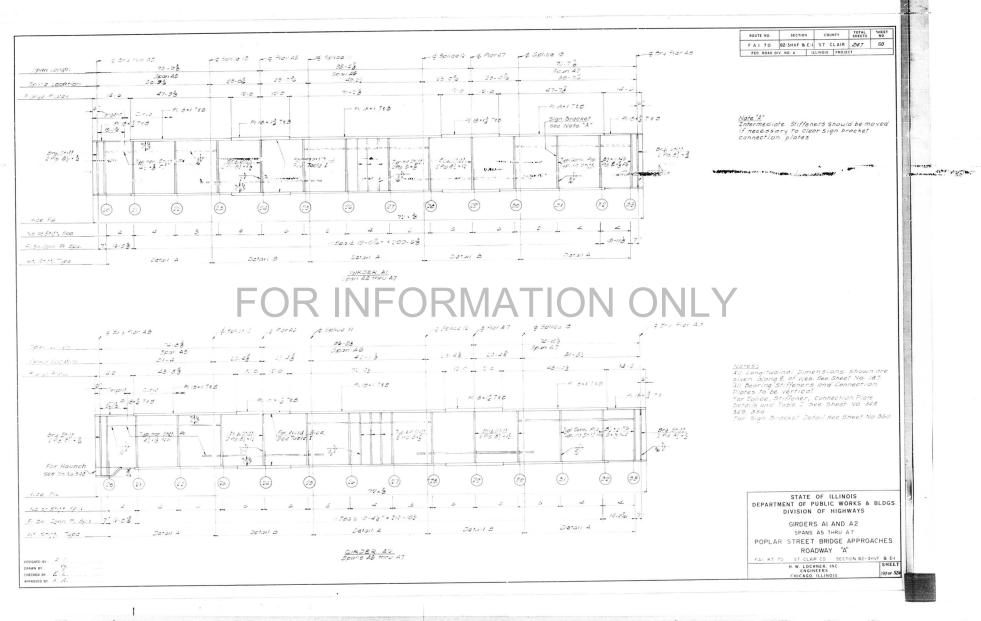




o 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 19 19 20 21 22 23 24

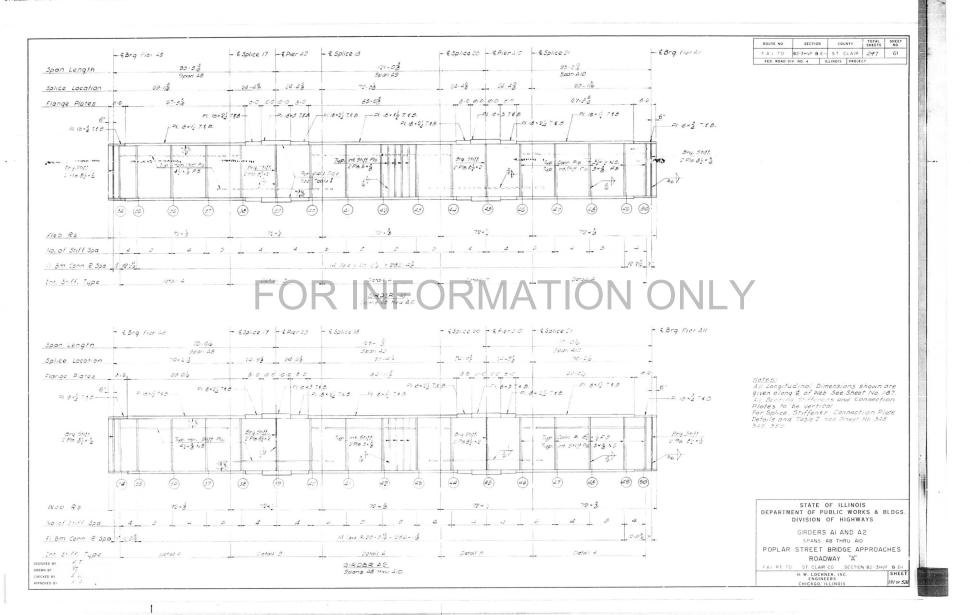




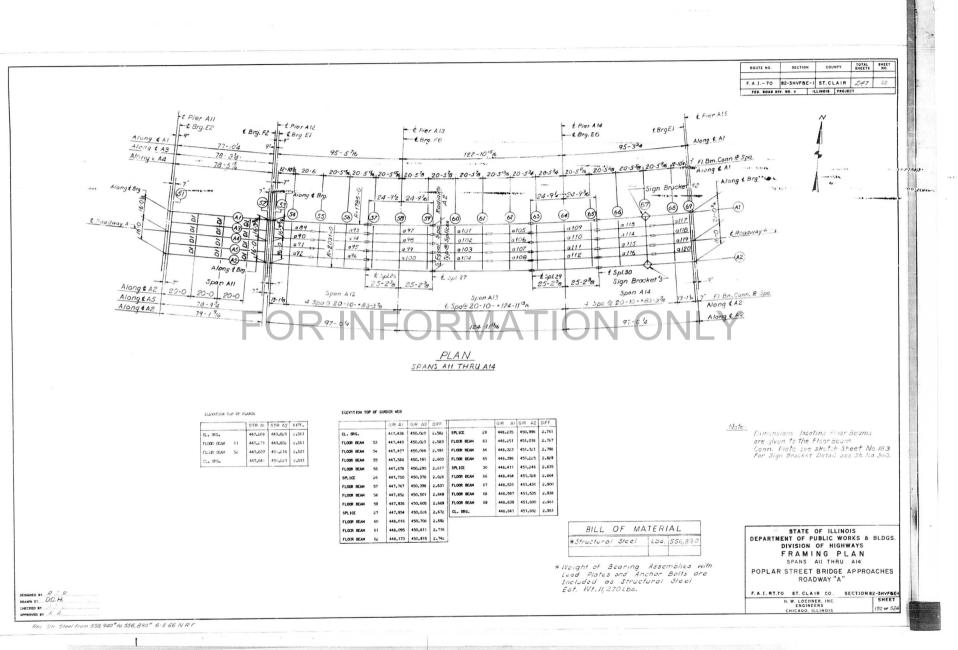


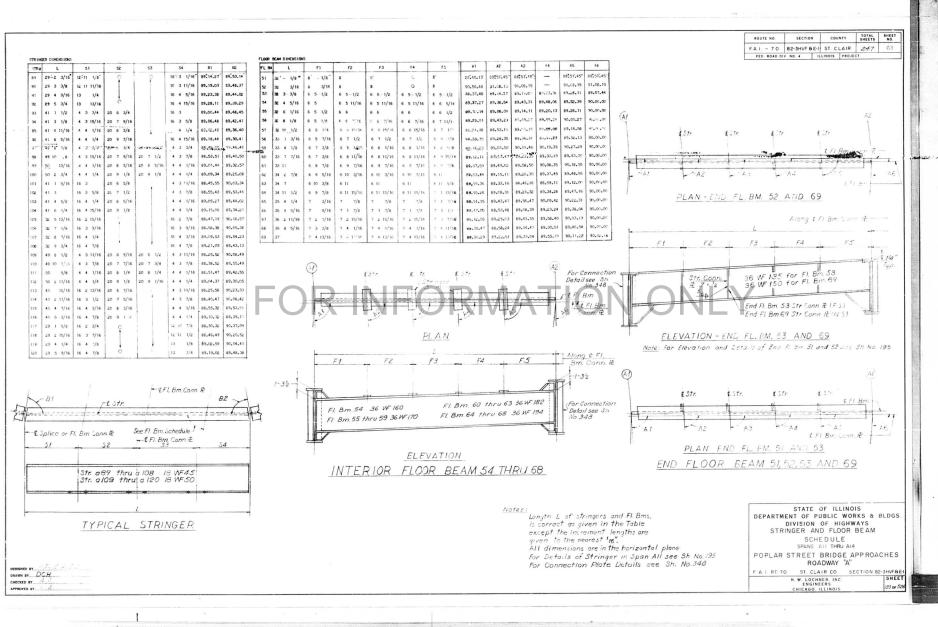
..

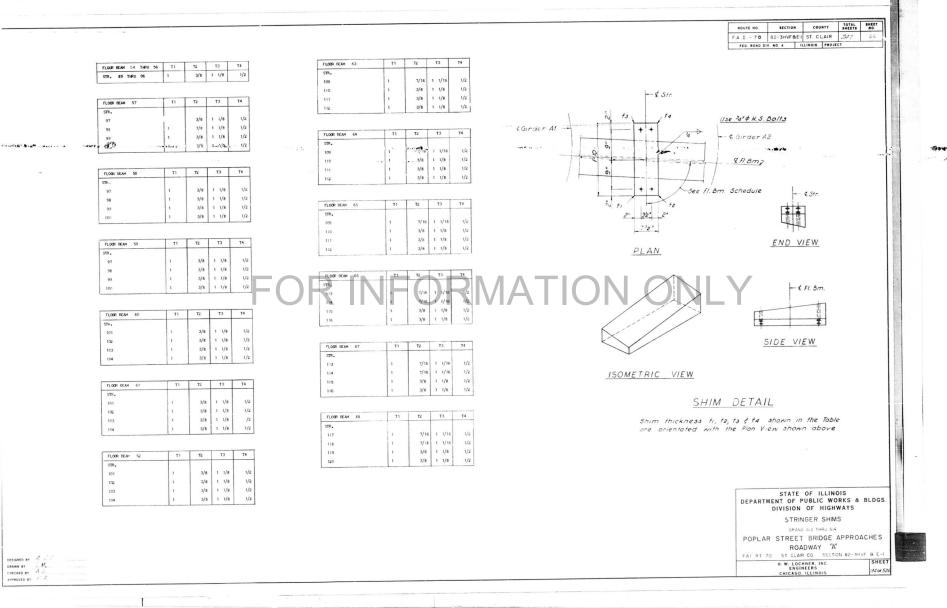
1.4



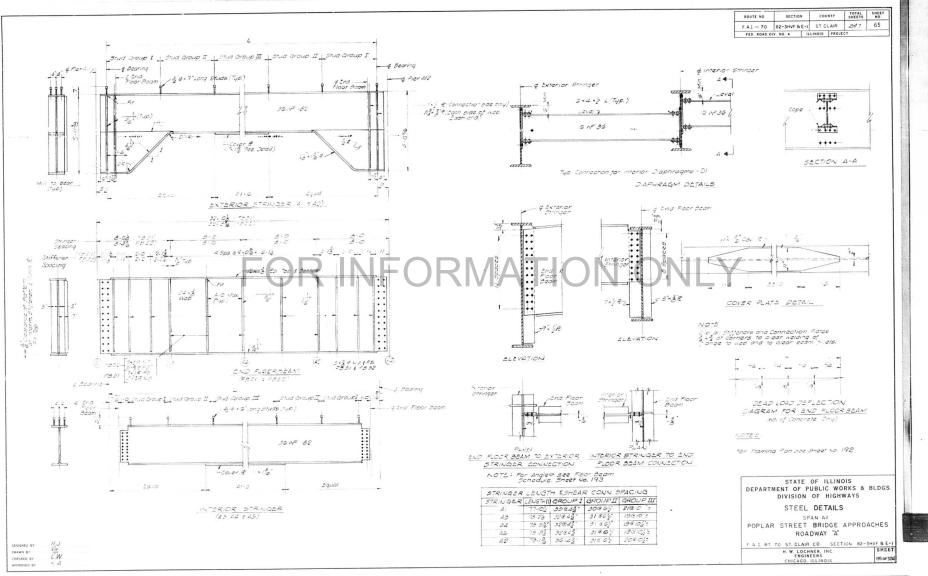
 \mathbf{i}



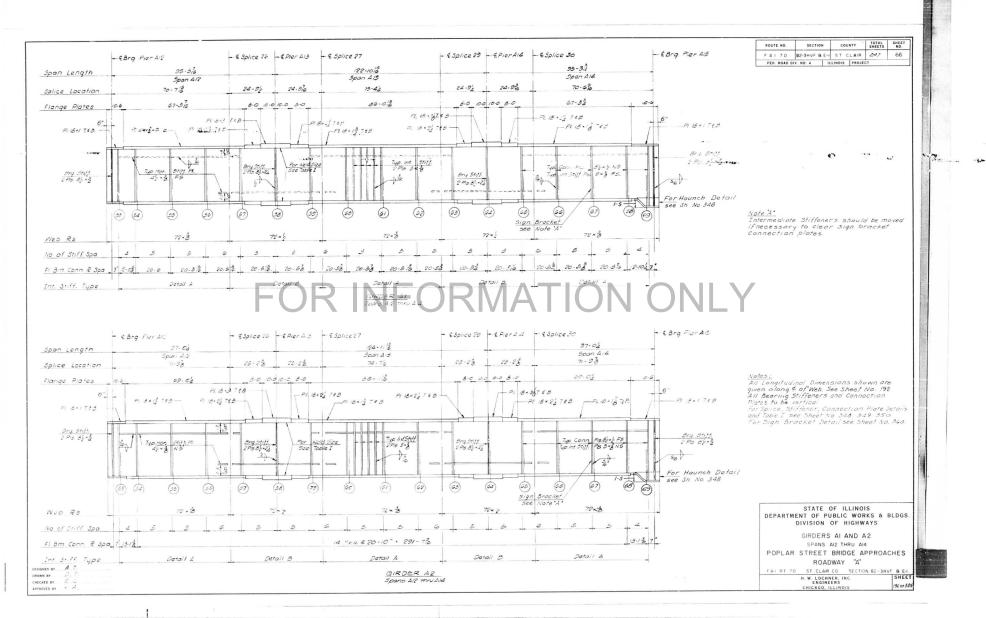




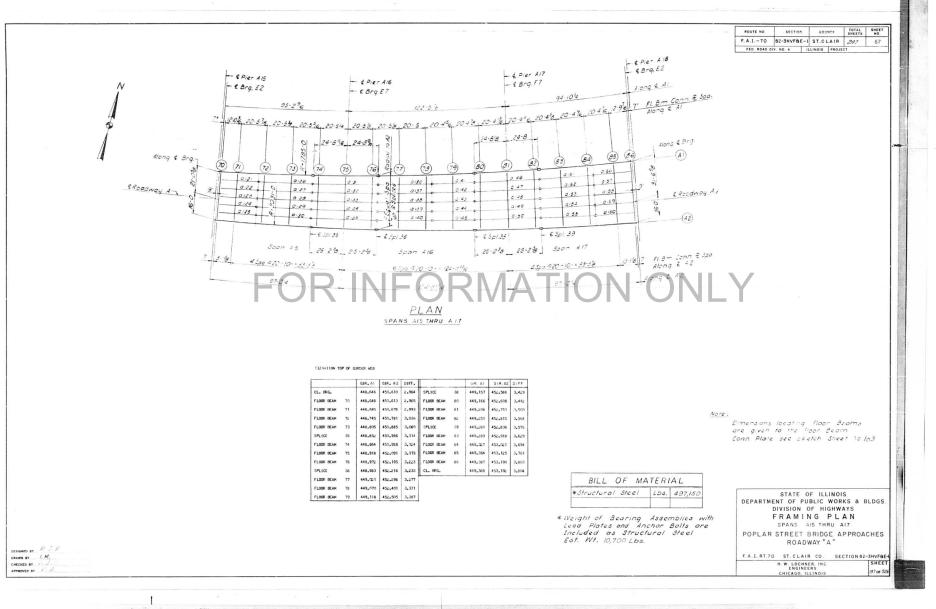
 $\prod_{n=1}^{\lfloor \frac{1}{2} \rfloor} \prod_{j=1}^{\lfloor \frac{1}{2} \lfloor$

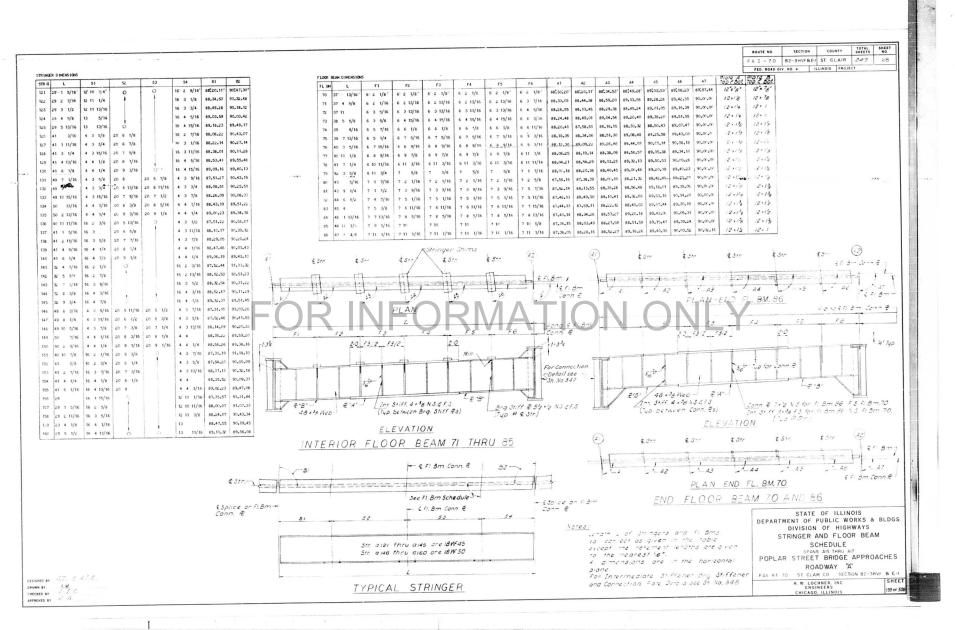


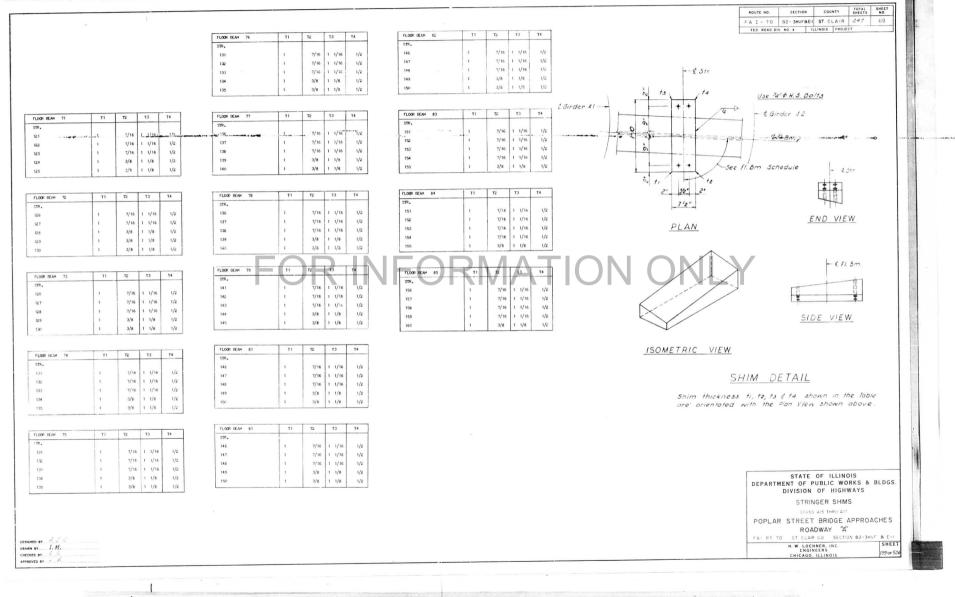
- in a set of the set

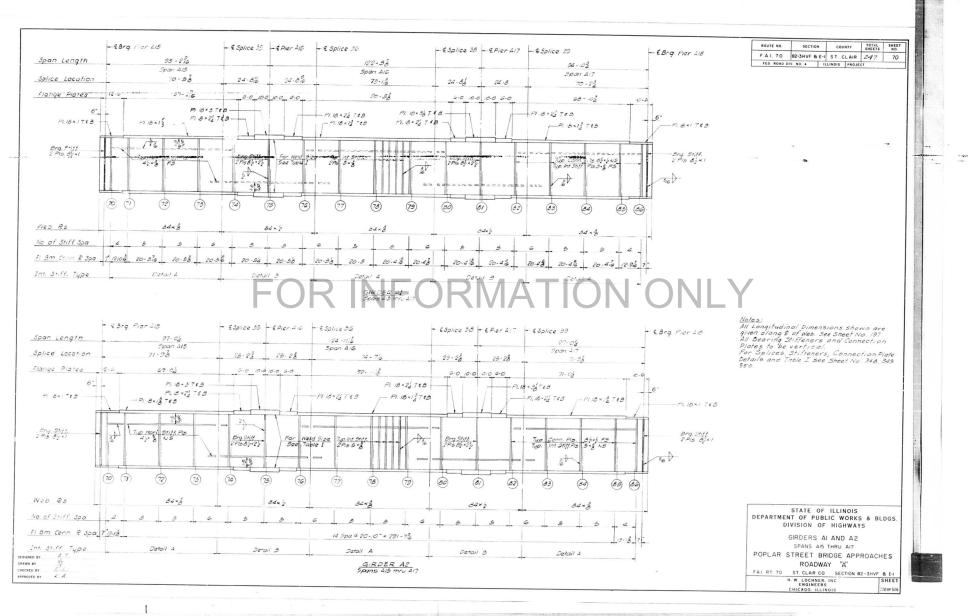


L

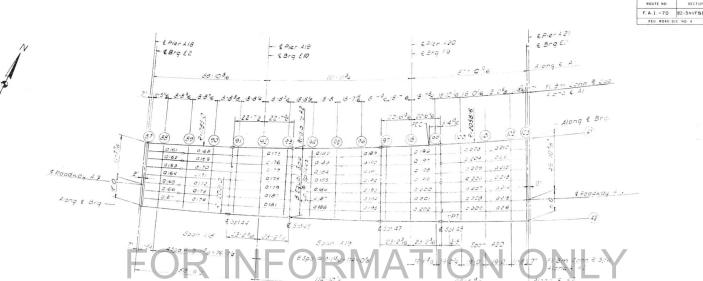








0173 treadway 4 . 0180 Along & Brg -2.87 0,2 - 8-0201 0 209 0215 0174 -0-0181 0188 2 202 1 2193 2 209 026 10 TPT 42 \$ Sp144 \$ 501.45 \$ 501.47 £ 501 48 Spon 118 3.246 23.246 23.216 23.216 3.5 Soan 119 Span 420 PLAN SPANS AIS THEU A20 ELEVATION TOP OF GIRDER WEB GIR AI GIR AZ DIFF. GIR. AI GIR. AZ DIFF. 449.391 453.200 3.809 SPLICE 450.:65 454.401 4.236 CL. BRG. 47 453.203 3.812 454.450 4.184 FLOOR BEAM 87 449,391 FLOOR BEAM 97 450.266 FLOOR BEAM 88 449.409 453.261 3.852 FLOOR BEAH 98 450.744 454.682 3.938 451.221 454.914 3.693 449,437 453,356 3,919 FLOOR BEAM 89 FLOOR BEAH 99 lote : 449.466 453.451 3.985 SPLICE 48 451.322 454.963 3.641 Dimensions lace ina flear Beams FLOOR BEAM 90 ure given to the feer Beam 449.488 453.526 4.038 FLOOR BEAM 100 451.749 455.298 3.549 SPLICE 44 Conn Plate see sketen Siver No 183 FLOOR BEAM 91 449.496 453.548 4.052 FLOOR BEAM 101 452.294 455.722 3.428 449.530 453.654 4.124 FLOOR BEAM 102 452.839 456.145 3.306 FLOOR BEAM 92 449.564 453.759 4.195 FLOOR BEAM 103 453.173 456.406 3.233 FLOOR BEAM 93 BILL OF MATERIAL SPLICE 45 449.571 453.781 4.210 CL. BRG. 453.190 456.419 3.229 STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS 449.703 453.918 4.215 FLOOR BEAM 94 *Structural Steel Lbs. 572,430 FLOOR BEAM 95 449,869 454,091 4.222 DIVISION OF HIGHWAYS FLOOR BEAM 96 450.034 454.265 4.231 FRAMING PLAN * Weight of Bearing Assemblies with Leaa Plates and Anchor Bolts are Included as Structural Steel Est. VVI, 15,290 Lbs. SPANS AIB THRU A20 POPLAR STREET BRIDGE APPROACHES ROADWAY "A" designed by $\mathcal{R}M\mathcal{R}$. Drawn by $I\mathcal{M}$. Checked by $\mathcal{A}\mathcal{J}\mathcal{C}$. F.A.I.RT. 70 ST. CLAIR CO. SECTION82-3HVF8E H. W. LOCHNER. INC ENGINEERS CHICAGO. ILLINOIS SHEET 201 0# 526 IPPROVED BY & A

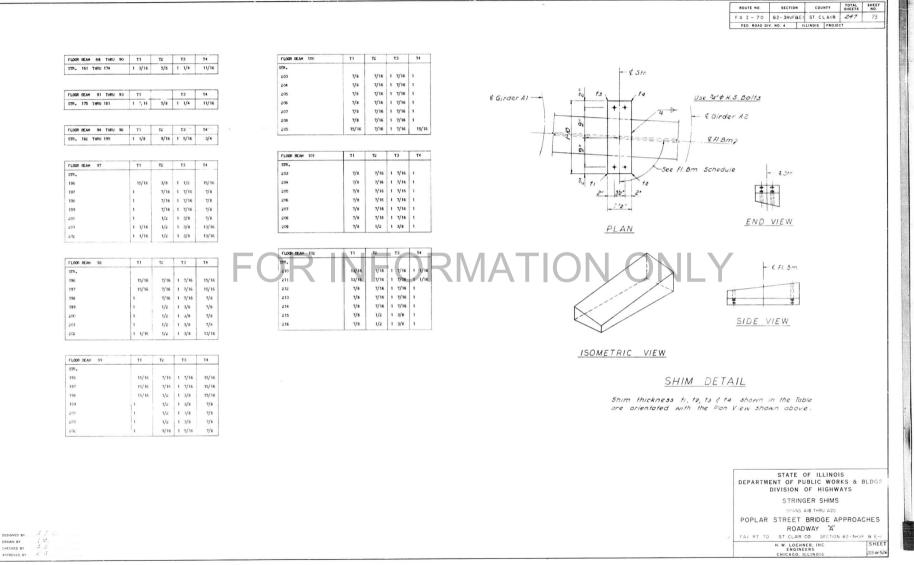


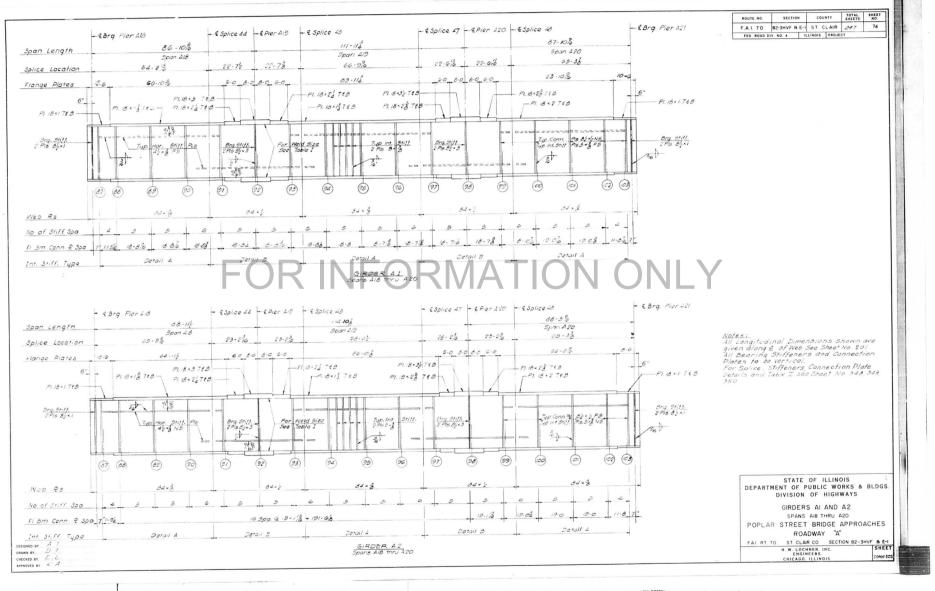
ROUTE NO SECTION COUNTY SHEETS NO.

F. A.1. -70 82-3HVFBE-I ST. CLAIR 247 71

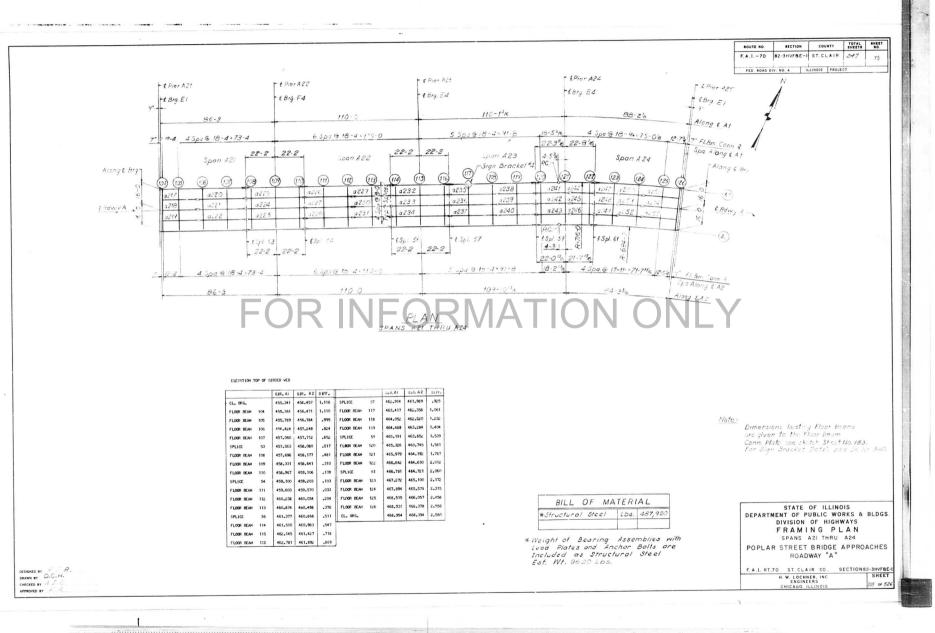
FED. ROAD DIV. NO. 4 ILLINOIS PROJEC

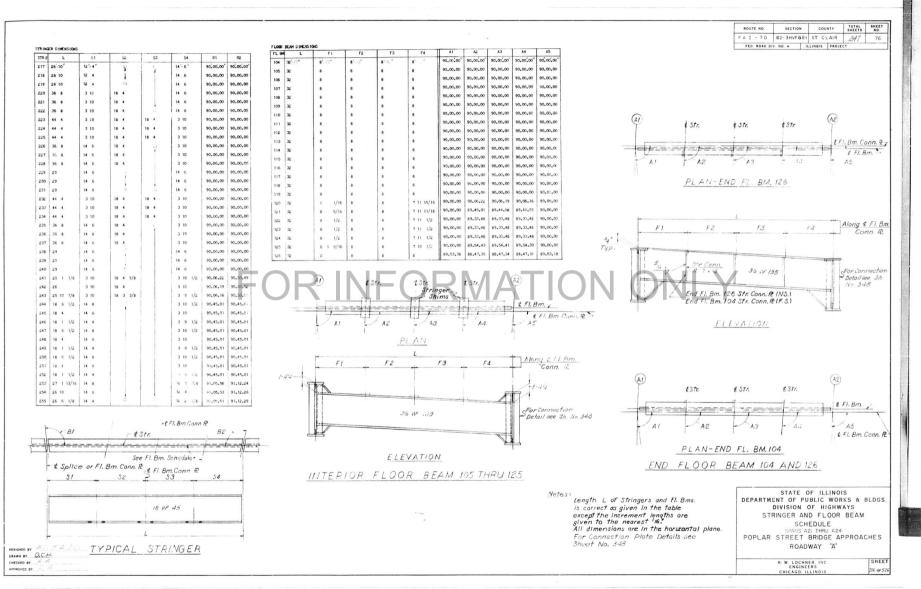
							ROUTE NO. SECTION COUNTY	TOTAL SHEET SHEETS NO.
OTR DIMENSIONS								247 72
L S1	1 52	53	54	81	82		FED. ROAD DIV. NO. 4 ILLINOIS PROJEC	T
26-3 7/8" 11-6 1		0	14-9 3/4	87:24.44	91.47:30"	FLOR 86W DIPORISIONS FLOR L F1 F2 F3 F4 F5 F6 F7 F8 A1 A2 A3 A4 A5 A6 A7	AB A9 TOPS Bot TOPS Bot.	
26 4 13/16 11 6 9			14 10 1/4	87.43.41	91.28.33	11 CM 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	89: 16:43 89:57:44 12-16 2.34	
26 5 3/4 11 7			14 10 3/4	88.02.31	91.09.43	a 4 1 5/ 5/ 11 5/6 6 3/16 6 3/	89.38.54 90.00.00 12 - 1/2 12 - 34	
26 6 3/4 11 7 7	16		14 11 5/1	6 88.21.14	90.51.00	49 44 11 / 2 6 1 6 1 7/16 6 1 7/16 6 1 7/16 6 1 7/16 6 1 7/16 6 1 7/16 6 1 7/16 6 1 7/16 8 7,27,24 87,18,48 87,39,31 87,59,07 88,17,37 89,36,59 88,56,14	89.15.23 90.00.00 12.13 12 · 13	
26 7 11/16 11 7 7			14 11 13/1	6 88.39.50	90.32.23	9 49 9 9/16 6 1 9/16 6 2 11/16 6 2 11/16 6 2 11/16 6 2 11/16 6 2 11/16 6 2 11/16 6 2 11/16 6 3 3/4 87.23.48 87.51.13 88.10.56 88.30.32 88.30.32 88.30.32 88.30.32	89.47.48 90.00.00 12.13 12.3	
26 8 11/16 11 8 5			15 3/8	88.58.20	90.13.54	91 50 7 7/8 6 3 7/16 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 1/2 87.20.12 87.05.05 87.25.49 87.46.25 88.06.54 88.27.16 88.47.30	89.07.36 90.00.00 12.13 12.73	
26 9 11/16 11 8 3	• 0		15 7/4	89.16.43	89.55.31	32 51 6 3/8 6 3 5/8 6 5 5/16 6 5 5/16 6 5 5/16 6 5 5/16 6 5 5/16 6 5 5/16 6 5 5/16 6 5 5/16 6 6 7/8 87.16.37 87.37.30 87.58.14 88.18.50 88.39.19 88.59.41 89.19.55	89.40.01 90.00.00 12.1/2 12.1	
37 6 1/8 3 11 7	16 18 9 1/8		14 9 5/1		1 1	93 52 5 3/16 6 6 1/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 6 5/8 6 7 1/8 83.03.39 88.03.54 88.30.39 88.51.15 89.11.44 19.32.06 89.52.20	90.12.26 90.00.00 12.12 12.1	
37 7 7/16 3 11 9	15 18 9 3/4		1 . 1/1	 COLUMN COLUMN 	91.23.28	94 53 4 3/16 6 6 15/16 6 8 1/16 6 8 6 8 6 8 6 8 6 8 6 8 6 9 1/16 97,09,30 87,45,34 88,07,11 88,28,39 88,49,59 89,11,11	89.32.15 90.00.00 12.12 12.1 90.04.40 90.00.00 12.15 12.1	
37 8 3/4 3 11 11	16 18 10 7/16		14 10 11/			95 54 3 3/8 6 9 6 9 7/16 6 9 7/16 6 9 7/16 6 9 7/16 6 9 7/16 6 9 7/16 6 9 7/16 6 9 7/16 6 9 13/16 8 81.17.59 88.33.36 82.01.04 89.22.24 89.43.36		
37 10 1/8 3 11 13			14 11 3/		90.44.23	96 55 2 13/16 610 1/8 610 7/8		1
37 11 7/1e 3 11 15			14 11 3/-		90.25.01	97 56 2 1/2 6 11 3/4 7 5/16 7 5/16 7 5/16 7 5/16 7 5/16 7 5/16 7 5/16 7 5/16 7 5/16 7 13/16 86,58,57 85,46,51 87,10,16 87,33,33 87,56,46 88,19,28 88,42,27		
	/8 19 7/10		15 5/		90.05.45	98 57 2' 3/6 7 1/8 7 1 13/16 7 1 13/1		
	4 19 1 1/8	0	15 7/1		89.46.37	99 58 2 1/2 7 2 13/16 7 3 5/16		
45 4 1/2 3 11 3		18 8 13/16	3 11 5/			100 59 3 1/8 7 4 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	89.33.47 90.00.00 2.178 12.18	
	/2 18 9 5/8	18 9 1/2				101 60 5 13/16 7 6 3/8 7 6 3/4	a contraction former and the state of the state	
45 7 13/16 3 11 11	16 18 10 5/1	18 10 3/10	3 11 5/			102 61 10 5/8 7 8 3/8 7 6 7/8 7 8 7/8 7 7 8 7/8 7 8 7/8 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7/8 7 7 8 7		
45 9 7/16 3 11 13 45 11 3/16 3 11 15	/16 18 11 11/1	18 10 7/8	3 11 3/	1		103 42 10 7 10 1/4 7 10 1/4 7 10 1/4 7 10 1/4 7 10 1/4 7 10 1/4 7 10 1/4 7 10 1/4 7 10 1/4 7 10 1/4 8 0 1/4 7 10 1/4 8 0 1/4 8 0 1/4 1 0 10 1/4 1 0 1/		
120.121 (M.120)	/16 19 3/8							
40 1/0 4	/4 19 1 1/1	10.1			89.40.44			
37 5 7/16 14 9		0	3 11 1/	86.58.14	91.56.56	Stringer Shims		
37 6 13/16 14 10	/16 18 9 3/8	1	3 11 7/	16 87.19.59	91.35.11	(1) Est for Est for Est Est Est (3) (2) Est Est Est (3)	- \$5% \$5% \$5%	(12)
37 8 1/4 14 10 1	/16 18 10 1/1	5	3 11 9/	16 87.41.35	91.13.35		EF 3	m cons. Py
37 9 11/16 14 11	/8 18 10 13/1	6	3 11 3/	4 88.03.04	90.52.07		+ + + + + +	1 1 1
37 11 1/8 14 11 1	/16 18 11 9/1	6	3 11 7/	8 88.24.24	90.30.46			
38 5/8 15	/4 19 5/1	6	4 1/	16 88.45.36				E FI, Bm.
38 2 1/8 15	/8 19 1 1/1	6	4 1/	4 89.06.40	89.48.31		FL. BM. 103	
29 6 9/16 14 9	/8		14 9 1/				Alona & Fr B.	m conn Py
29 7 11/16 14 9 1	/16		14 9 13/			21 12 13 14 15 16 11 18 Gmn R 11 12 13 14	F3 F8 F7 F8	
	/2		14 10 3/			20 14/2 14/2 20 -1.5/4 2.0 + 13/2 -13/2	2-0	Tit .
25 10 1/10 11 11	/16		14 11	88.06.48	1.000.00	-54 M///		34 Typ.
	/8		14 11 9/			-For Connection	5. T.C. (51	
	/4		15 3/			Detail see Sh.	30 con E	
	V16 O	0		1001	(1) (19) (40) (10) (10) (10) (10) (10) (10) (10) (1	16 No 347		
45 3 1/4 3 11 45 5 1/16 3 11	/16 18 8 1/2	18 8 5/1 6 18 9 1/1				100 50 11 20 15 50	5	
45 5 1/16 3 11	/16 18 9 3/1	6 18 9 1/1 6 18 9 13/1			1000000000	for a Neo- (142 section 25)	(#7./ NS. (5/8 10)55	
	/16 18 9 15/1	6 18 10 9/1				E B. Sousanes 2 21 (14) between 3 g Suit 2, By Suit 2 Sousanes LE C. B.	Conn. P.7. 2 NS for FI Bm 103FS Int. Stiff, 4.38 FS. for FI.Bm/03N	IS FL Brn87
	/8 18 11 7/1	- 1				ELEVATION	TION (Typ @ Str.)	0
45 1/2 4	1/16 19 1/4	19 3/1		16 88.35.3	90.05.54	INTERIOR FLOOR BEAM 88 THRU 102 (4) \$510 \$510 \$510 \$510 \$510 \$510	a ton ton ton	(42)
46 1/2 4 46 2 7/16 4	1/4 19 1	19 1	4 3	16 88.58.1	89.43.15	INTERIOR FLOOR BLAM 66 THROTOZ		r€ FI. Bm.
37 11 7/8 14 11	1/2 19 5/	16 O	4 1	16 86.48.1	93,05,33	- BI		
37 11 7/8 14 11	9/16 19 1/4	1	4 1	16 87.14.4	92.38.59		LAS LAG -AT -A	6 49
37 11 7/8 14 11 1	1/16 19 3/	16	4 1	16 87.41.2	92.12.25	PLAN END	· · · · · · · · · · · · · · · · · · ·	Conn R
37 11 15/16 14 11	3/16 19 1/	3	4	88.07.5	91.45.52		12. BH. 01	
38 14 11	5/16 19 1/	16	4	88.34.2	91.19.18	Splice or Film Conn R Set Film Schedular	AM 87 AND 103	
38 1/16 15	1/16 19		4	89.01.0		& FLBM, Conn R Conn R		
38 3/16 15	3/16 19		4	89.27.3		<u> </u>		
	7/16 0		11 8 5			Notes:	STATE OF ILLINO	IS
	5/16		11 8 1			Length L of Stringers and FI Bms is	DEPARTMENT OF PUBLIC WOR	RKS & BLDGS.
	3/16		11 8 1			18 WF 45 correct as given in the table, except the	DIVISION OF HIGHW	AYS DEAM
Construction and the second	1/8		11 8 1			increment lengths are given to the nearest lengths.	STRINGER AND FLOOR	BEAM
	1/16		11 8 1		1 91.39.59	All dimensions are in the horizontal	SCHEDULE SPANS AIB THRU A20	
	1/16		11 8	88.53.2		plane.	POPLAR STREET BRIDGE A	PPROACHES
26 8 15	0	0	11 8	89.26.4	90.33.20	TYPICAL STRINGER for Intermed are sufferent Bry Sufferent and Consection Parts Defaults are Strive Strive	ROADWAY "A"	
N AT & A.T.						IYPICAL STRINGER and Connection Pate Details see in No.348	FAI RT 70 ST. CLAIR CO SECTIO	
1 M.							H. W. LOCHNER. INC. ENGINEERS	SHEET 202 or 526
ву <u>АА</u>							CHICAGO, ILLINOIS	ANG OF DEB

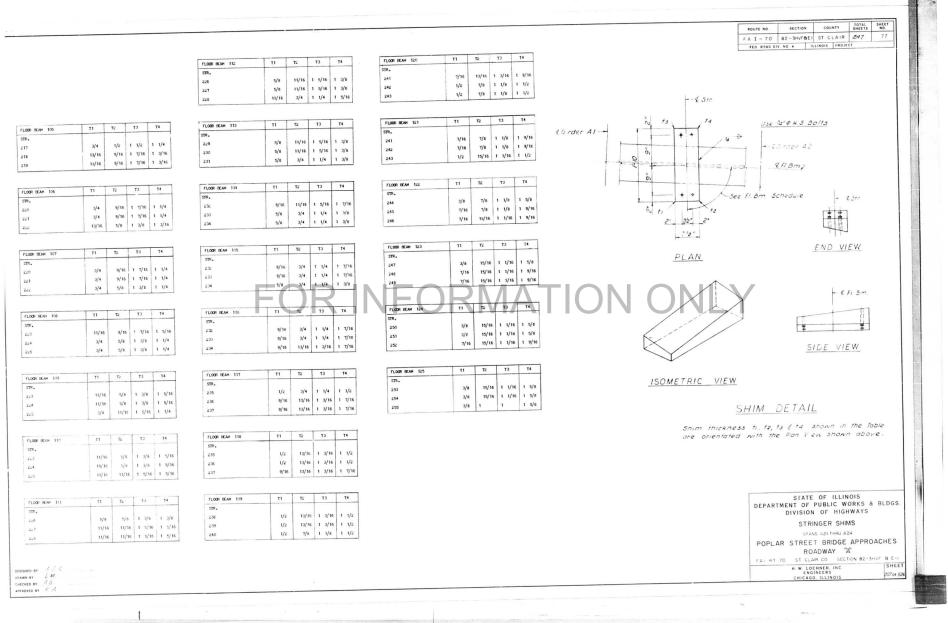


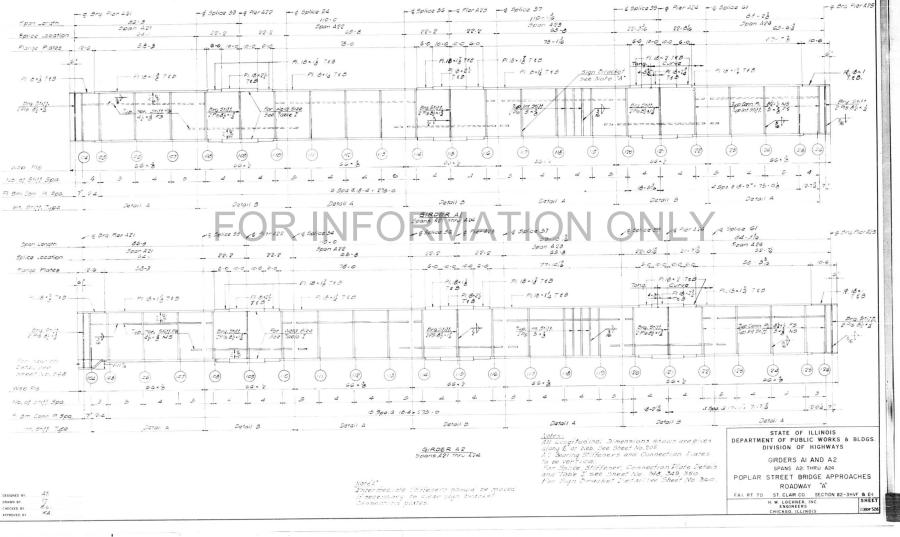


.









SECTION COUNTY TOTAL SHEET NO. ROUTE NO. F.A.I. 70 82-3HVF & E-I ST. CLAIR 247 FED. ROAD DIV. NO. 4 ILLINOIS PROJECT



DESIGNED BY	2 M.	R.	
DRAWN BY			
CHECKED BY	410		

		GIR.DI	GIR. D2	DIFT.			GIR. DI	GIR D2	DIF
CL. BRG.		450.780	450.281	.499	FLOOR BEAM	13	446.216	445.717	.49
FLOOR BEAM	1	450.764	450.265	.499	SPLICE	7	446.167	445.668	.49
FLOOR BEAM	2	450.418	449.919	.499	FLOOR BEAM	14	446.061	445.561	.50
FLOOR BEAM	3	449.893	449.393	.500	FLOOR BEAN	15	445.926	445.427	.49
FLOOR BEAM	4	449.367	448.868	.499	FLOOR BEAM	16	445.791	445.292	.49
SPLICE	3	448.952	448.452	.500	SPI.ICE		445.685	445.186	.49
FLOOR BEAM	5	448.862	448.363	.499	FLOOR BEAM	17	445.677	445.178	.491
FLOOR BEAM	6	448.433	447.934	.499	FLOOR BEAN	18	445.641	445.142	.491
FLOOR BEAM	7	448.004	447.505	.499	FLOOR BEAM	19	445.604	445.105	.495
SPLICE	4	447.915	447.416	.499	SPLICE	10	445.597	445.097	.500
FLOOR BEAM	8	447.653	447.154	.499	FLOOR BEAM	20	445.642	445.143	.495
FLOOR BEAM	9	447.322	446.823	.499	FLOOR BEAM	21	445.700	445.201	.495
FLOOR BEAM	10	446.992	446.492	.500	FLOOR BEAM	22	445.757	445.258	. 495
SPLICE	6	446.730	446.231	.499	FLOOR BEAM	23	445.793	445.294	.499
FLOOR BEAM	11	446.681	446.182	.499	CL. BRG.		445.795	445.296	.499
LOOR BEAH	12	446,448	445.949	.499					

ELEVATION TOP OF GIRDER WEB

BILL OF MA	ATERI	IAL
*Structural Steel	Lbs.	468,170

ENT	OF	PUB	LIC	WO	RKS &	& BI	DGS
DIVI	510	N OF	HI	GHW	AYS		
FR	AM	I N	G	ΡL	AN		
SP	ANS	DI	THE	τU	D 4		
ST	REE	TBF	RIDG	ΕA	PPR	DAC	HES
	DIVI FR SP	FRAM	ENT OF PUB DIVISION OF FRAMIN SPANS DI	FRAMING SPANS DI TH	FRAMING PL SPANS DI THRU	DIVISION OF HIGHWAYS FRAMING PLAN SPANS DI THRU D4	ENT OF PUBLIC WORKS & BU DIVISION OF HIGHWAYS FRAMING PLAN

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

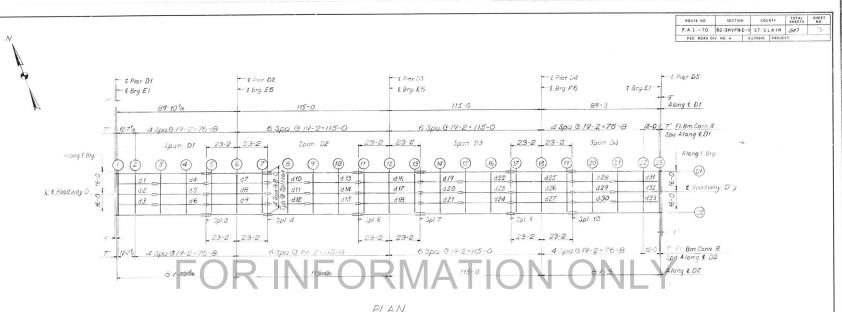
F.A.I. RT.70 ST. CLAIR CO. SECTION82-3HVF8E-

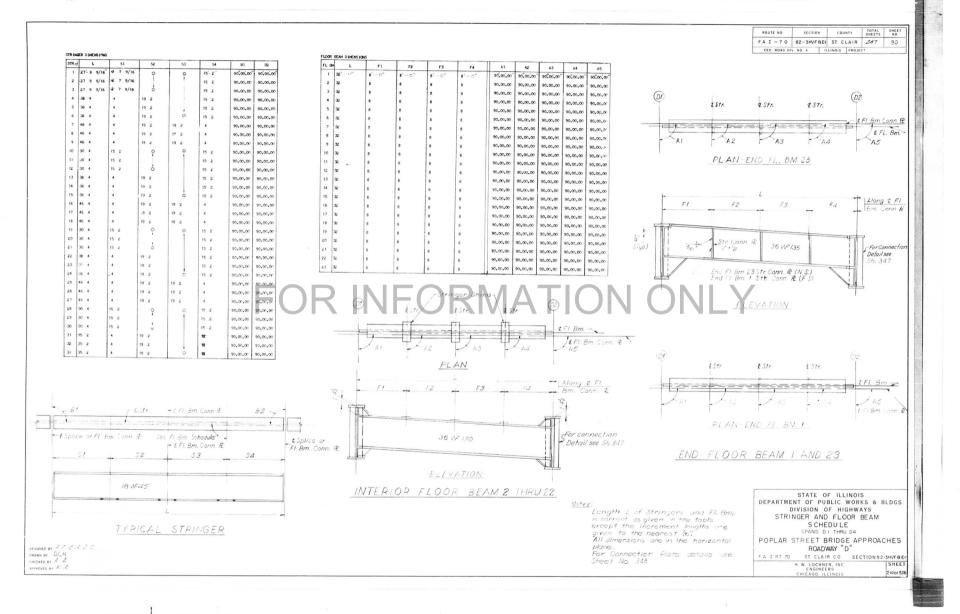
SHEET

20907 58

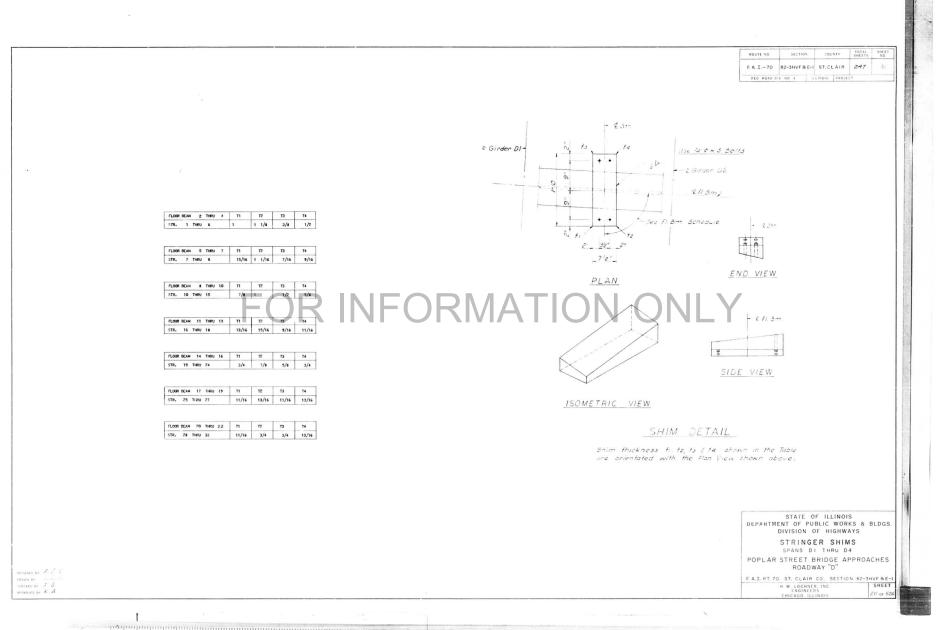
Dimensions locating Floor Beams are given to the Floor Beam Conn. Plate, See Sketch Theet No.**183**

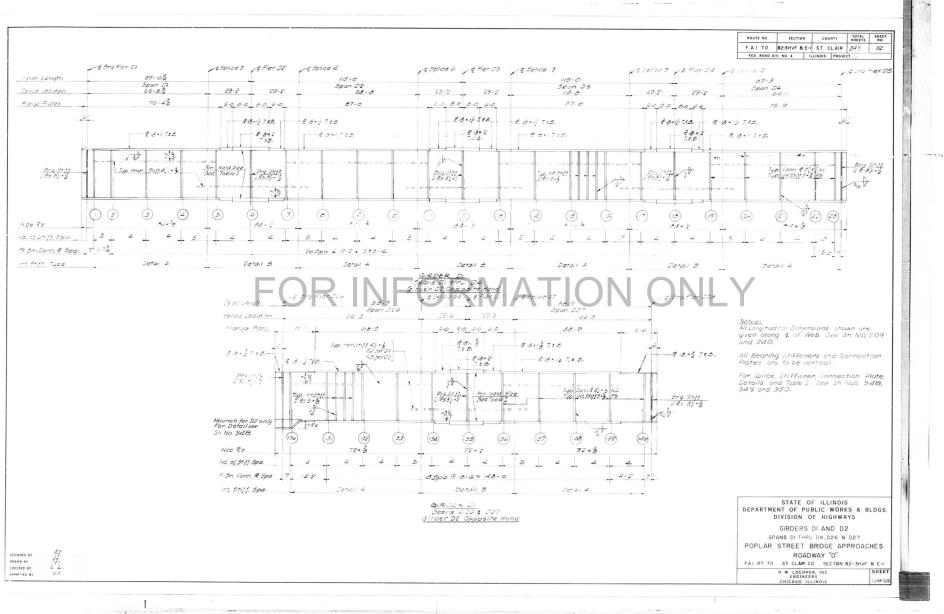
PLAN SPANS DI THRU DA

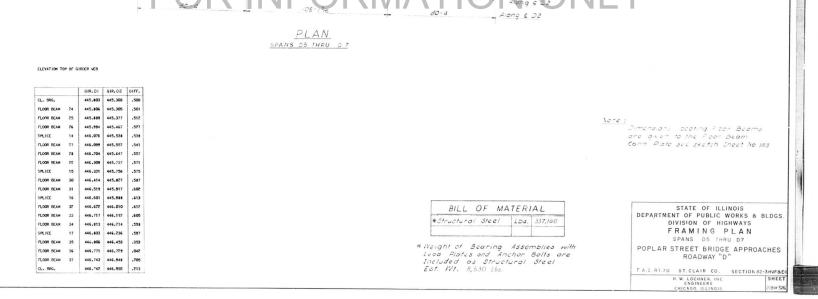


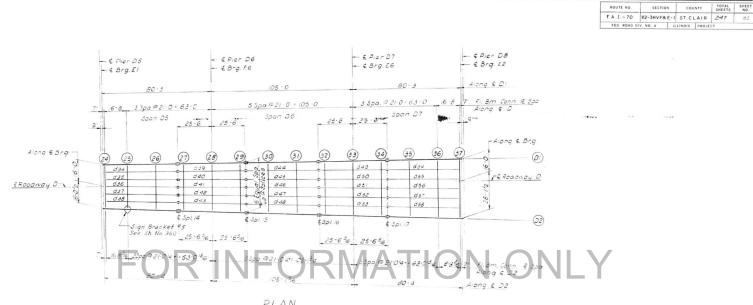


 \mathbf{i}



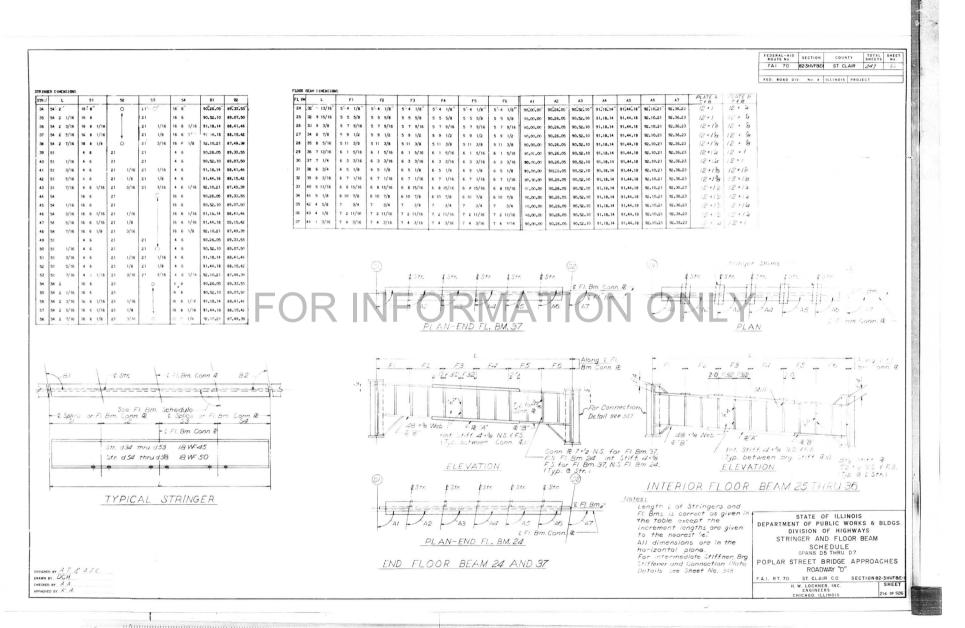


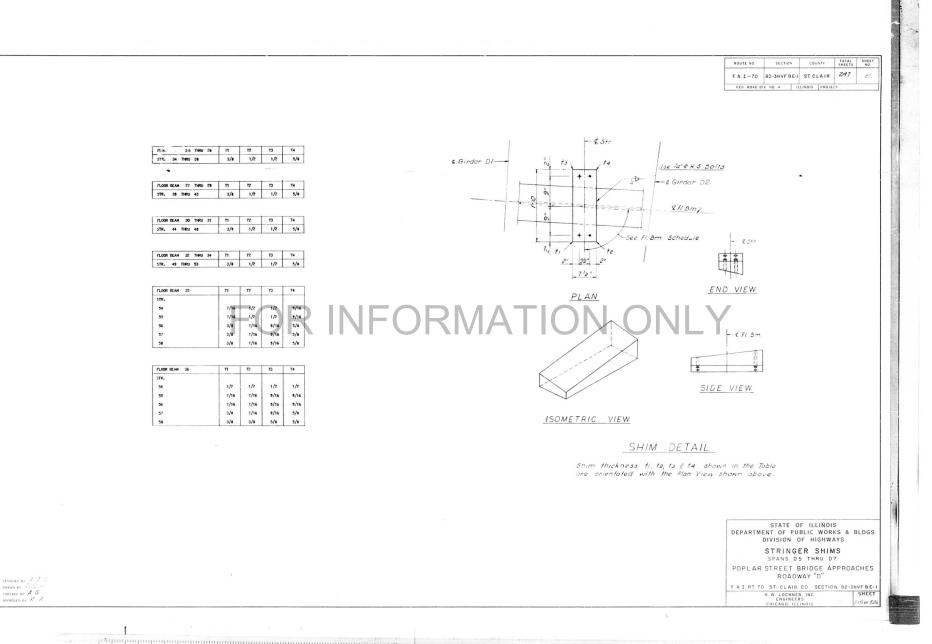


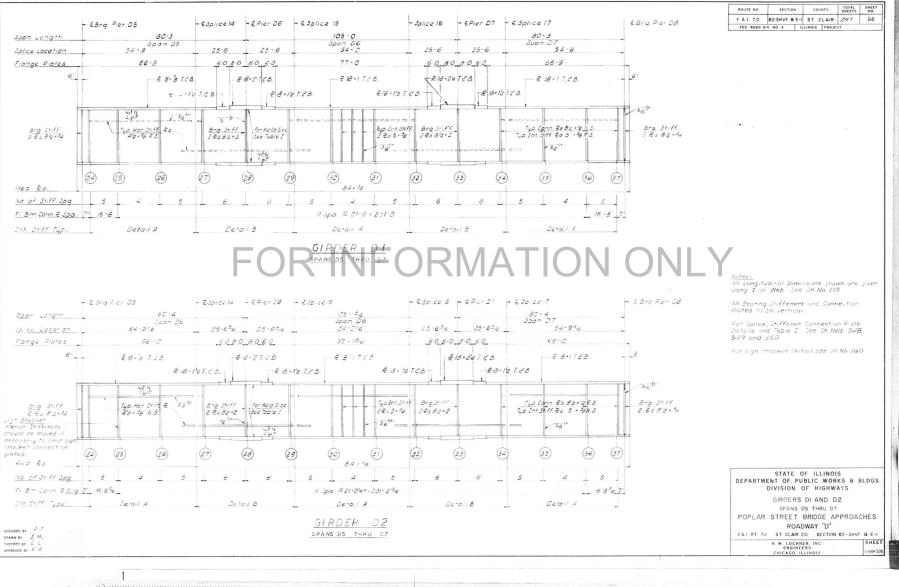


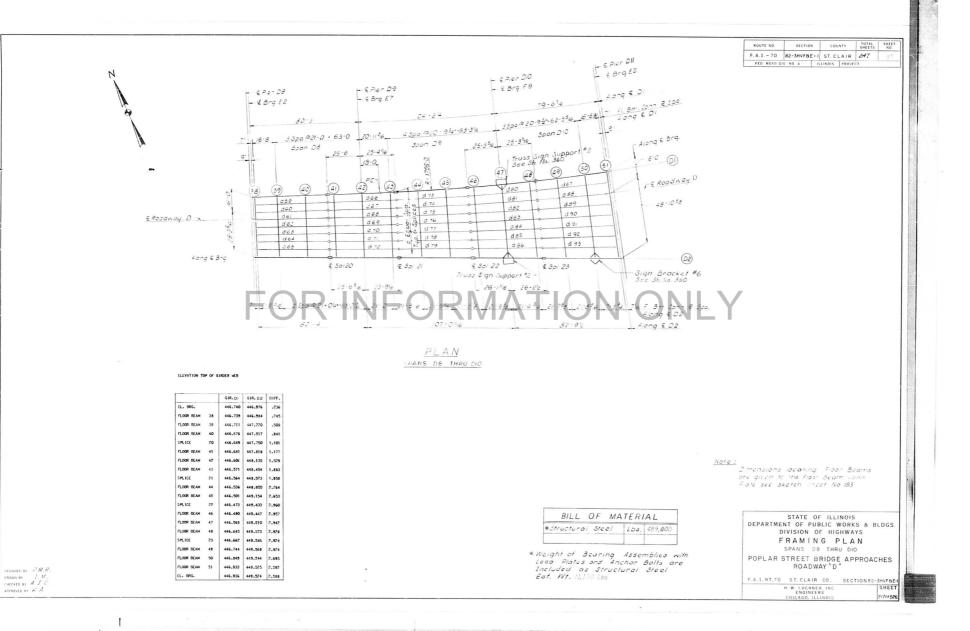
N

NED BY P.M.R. N BY I M KED BY A.J.C. WED BY K.A



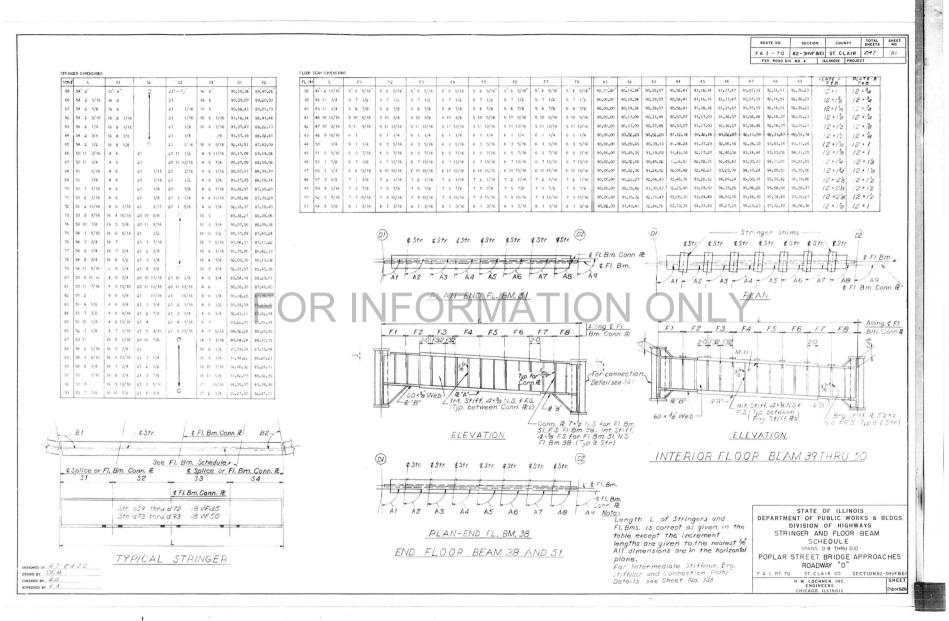




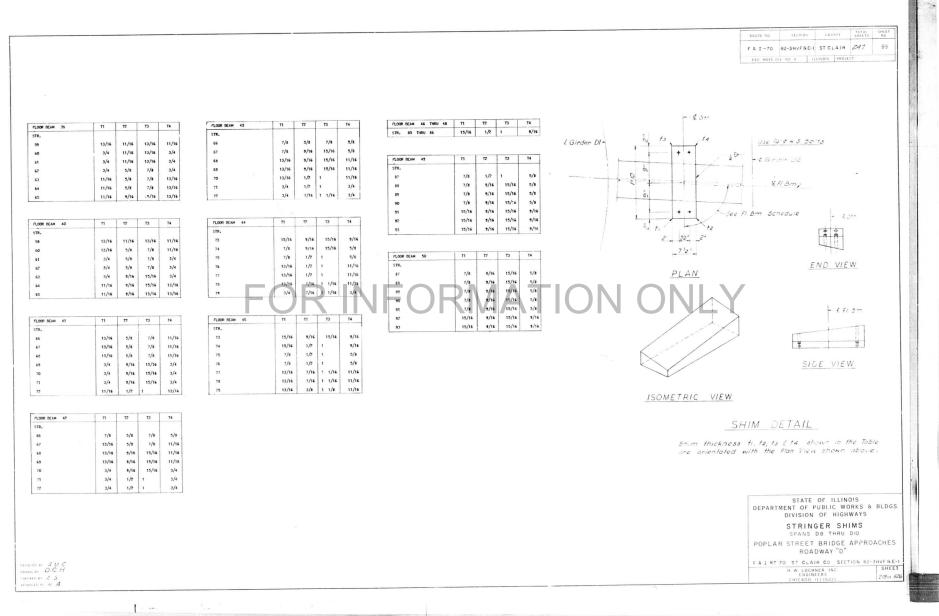


 $\begin{bmatrix} 1 & 2 & 3 & 4 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \end{bmatrix}$

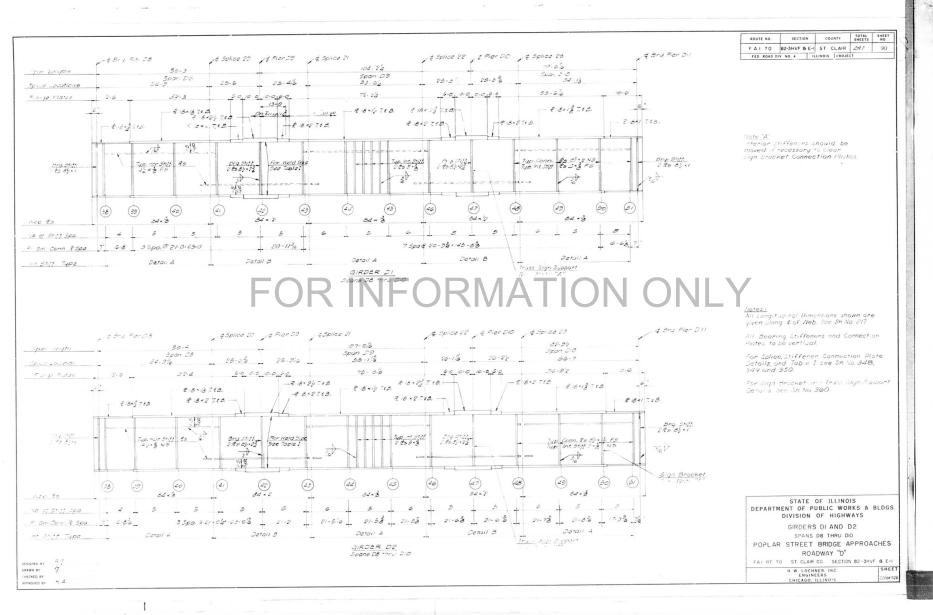
)

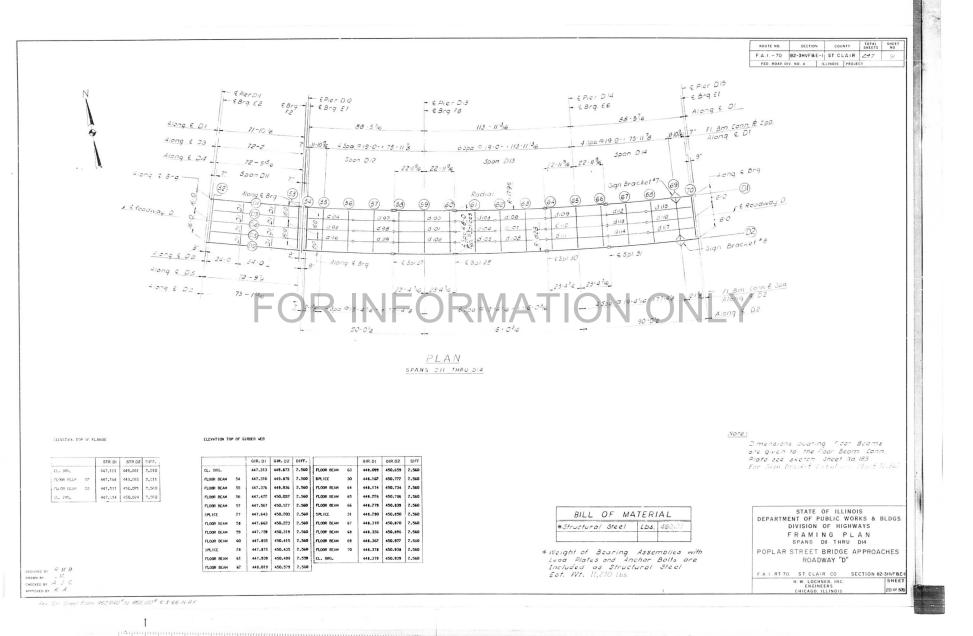


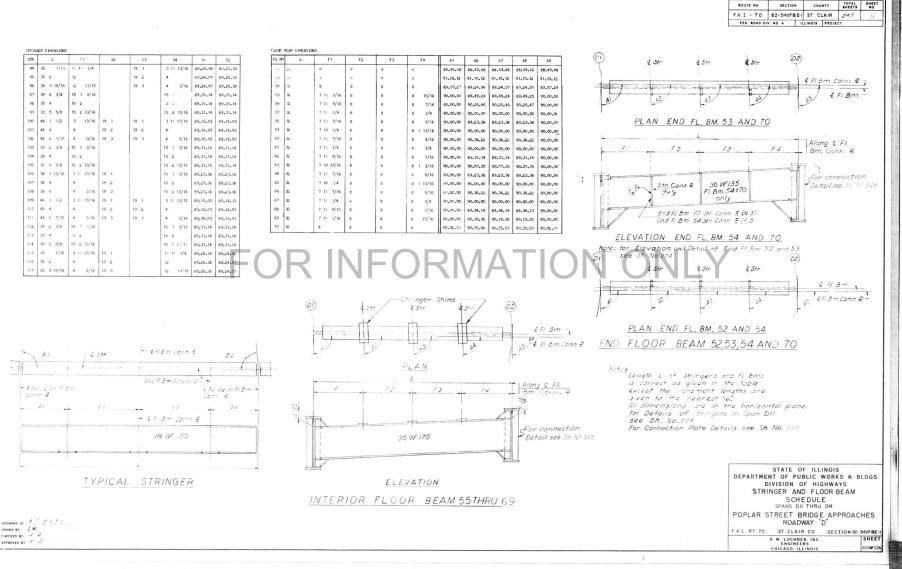
or production for the second sec



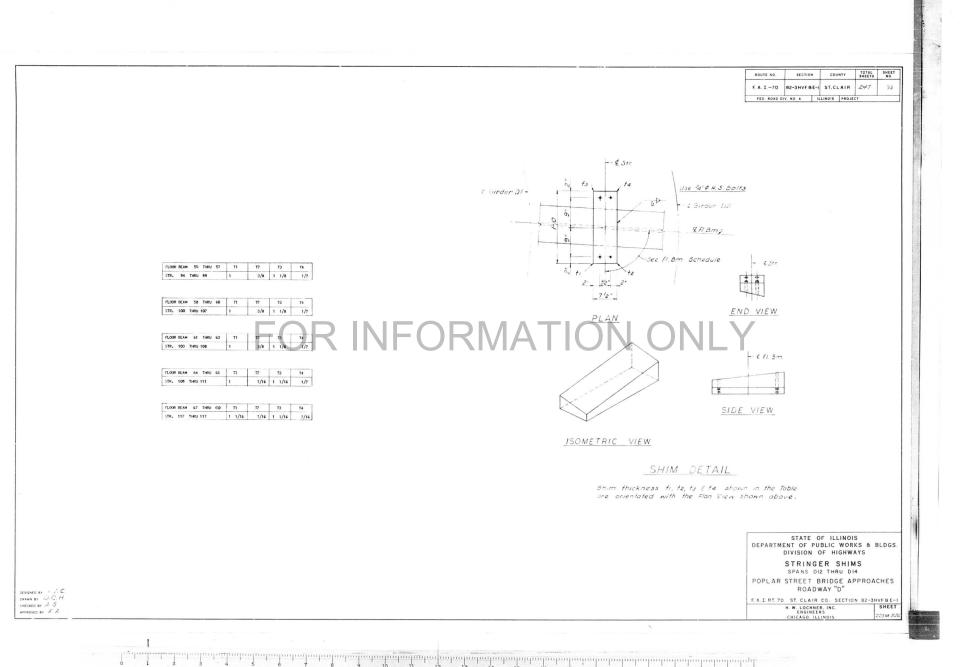
 \backslash

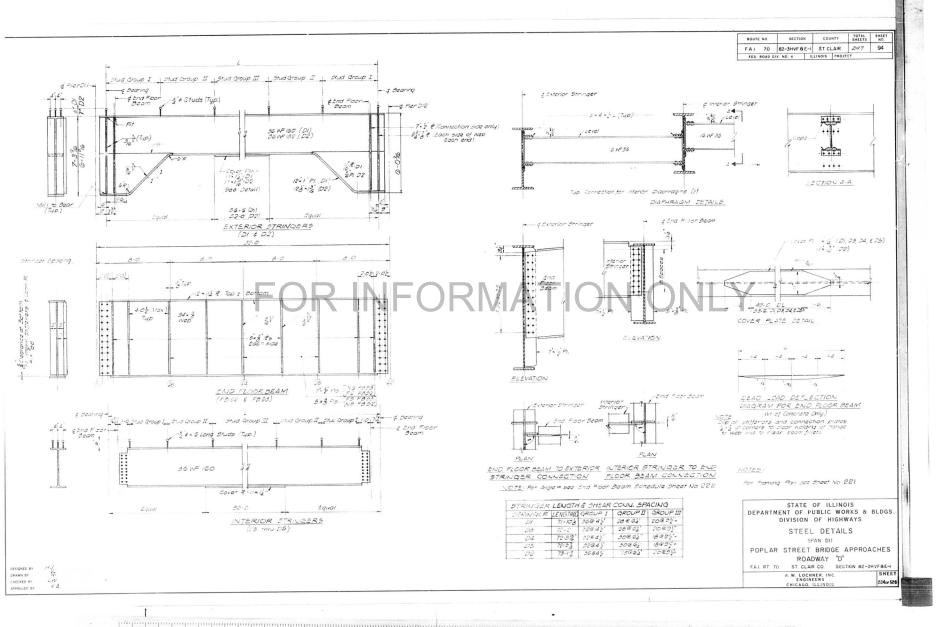


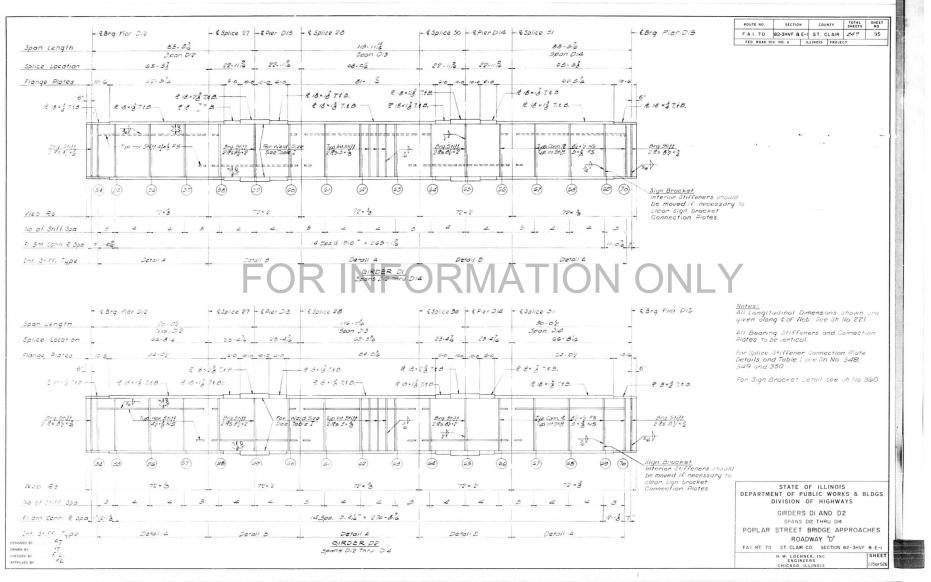




lighter line





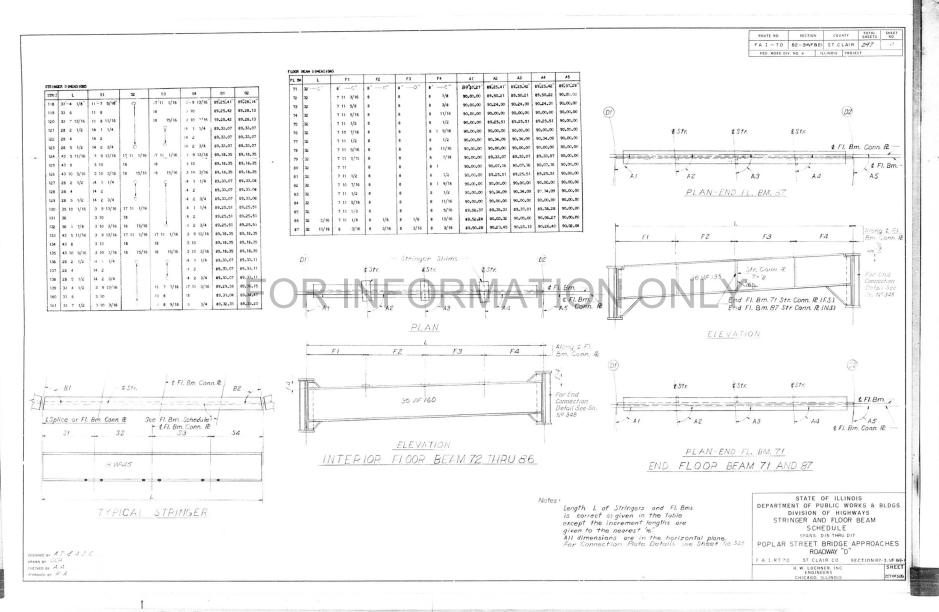


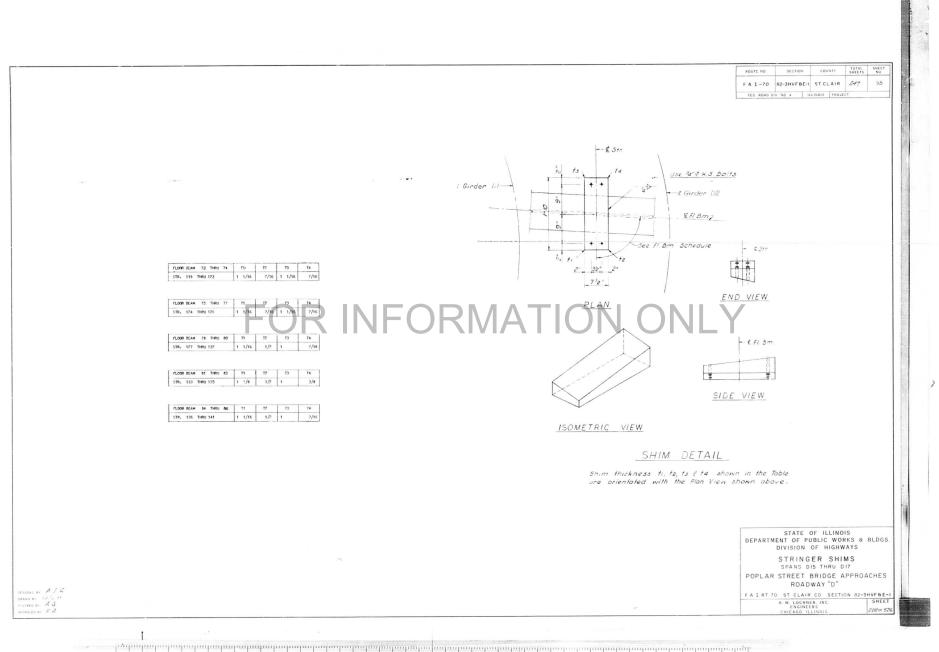
			F. A. I 70 82-3HVFB E-1 ST. CLAIR 247 56 FED. ROAD DIV. NO. 4 ILLINOIS PROJECT
	N	- + Pier DI7 + Pier DI8	
	← € Pier D15	- t Pier DIG	
	2" = # Brg. E1		
	83-6		
	•	107-0%6 -4% 6 Spa. @ 17-10'8 = 107-0%6 2500:017-10% 17-10\% 17-1	n. PZ
	7" 11-68 4 Spa@17-106-=71-	-438 6 Spa. @ 17-10'8-=107-0%6 25pa. 317-108-17-108-11-108-11 Spa Along & L	DI
	0	-55 5 %	
	Along & Brg Soan D15	21-7% 21-7% Spon DI6 21-7% 21-7% Span DI7 Sp	Brg.
	Along E Brg. Span DIS	21-71% 21-71% Span Dio +21-71% 2117 10- 3-11%	
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	0 0 0 0		dway D -
	118 0 d121		
	0 0119 0122	d125 de d128 d131 d125 d138 d141 4	
	© <u>d120</u> <u>d123</u>	d126 d129 d132 d135 D100 00 00 00	(D2)
		1.05/6	
	2-	11-1% 11-1% 11-1% T"FI. Bm.C	Conn. R
	7" 11-98 4 Spa. @ 18-11516==72	-75 6 Soc @ 18-156 -= 108-1176 2500 (18-176-18-176) 10 10 10 10 10 10 10 10 10 10 10 10 10	g & D2
		= 36 - 3 36	D2
	- 85-0	108-117/6 84-115/6 Along E	
		SPANS DIS THRU DIT	
	ELEVATION TOP OF GIRDER WEB		
	GIR.DI GIR.D2 DIFF.		
	CL. BRG. 448.380 450.940 2.560		
	FLOOR BEAM 71 448.379 450.939 2.560		
	FLOOR BEAM 72 448.376 450.936 2.560		
	FLOOR BEAM 73 448.371 450.931 2.560		<u>Note:</u> Dimensions locating Floor Beams
	FLOOR BEAM 74 448.365 450.925 2.560		are given to the Floor Boam
	SPLICE 36 448.361 450.921 2.560		Conn Plate see Sketch Sheet 110-183
	FLORR BEAM 75 448.355 450.915 2.560		
	гдоля вели 75 448.355 450.915 2.560 гдооя вели 76 448.325 450.885 2.560		
	FLOWR BLAM 75 448.355 450.915 2.560 FLOWR BLAM 76 448.325 450.855 2.560 FLOWR BLAM 76 448.255 450.855 2.560 FLOWR BLAM 77 448.765 450.855 2.560		
	PLOTE BLAN 75 448,355 440,355 450,415 2,560 PLOTE BLAN 75 444,355 450,415 2,560 PLOTE BLAN 77 444,356 450,455 2,560 SPLICE 37 444,756 450,456 2,560 TADDE BLAN 75 444,756 450,450 2,560 TADDE BLAN 78 444,754 450,450 2,560 TADDE BLAN 78 444,744 450,450 2,560		
	PLOPE REAM 75 448.355 450.315 2.580 PLORE REAM 76 444.355 450.415 2.560 PLORE PT 444.356 450.415 2.560 SPLICE 37 448.296 450.416 7.560 PLORE PT 444.314 450.408 7.560 PLORE PT 444.3144 450.408 7.560 PLORE PT 444.3144 450.408 7.560 PLORE PLORE PT 444.3144 450.408 7.560		
	PLOW RELW 75 448.355 450.355 250.815 7.500 PLOM REAM 75 448.355 450.485 7.500 PLOM REAM 77 448.756 450.485 7.500 SELEC 37 448.750 450.485 7.500 PLOM 77 448.750 450.495 7.500 PLOM 77 448.750 450.495 7.500 PLOM 77 448.754 450.400 7.560 PLOM 77 448.174 450.754 7.560 PLOM 79 448.174 450.754 7.560 PLOM 80.4 40.4 450.754 7.560 PLOM 80.4 40.4 40.754 7.560		
	PLOPE REAM 75 448,355 440,356 450,415 5,560 PLORE REAM 75 444,357 450,415 5,560 PLORE R7 444,376 460,457 5,560 SPLICE 37 444,750 460,457 5,560 PLORE R7 444,764 450,400 2,560 PLORE R0 444,744 450,400 2,560 PLORE R0 444,144 450,701 2,560 PLORE 80 444,141 450,701 2,560 SPLICE 39 448,059 455,503 2,560 PLORE 80 448,140 460,741 2,560 PLORE 80 448,169 456,405 3,564		STATE OF ILLINOIS
	Π_DOTE BEAM 75 448.355 450.415 2.580 Π_DOTE BEAM 75 448.355 450.415 2.560 Π_DOTE BEAM 75 448.256 450.456 7.560 SPLICE 37 448.250 450.456 7.560 DADIE BEAM 75 448.250 450.456 7.560 DADIE BEAM 78 448.250 450.456 7.560 DADIE BEAM 78 448.258 450.456 7.560 DADIE BEAM 78 448.154 450.701 7.560 DADIE BEAM 78 448.154 450.701 7.560 DADIE BEAM 10 448.144 450.701 7.560 DADIE BEAM 10 448.052 450.497 7.560 DADIE BEAM 10 448.052 450.497 7.560	BILL OF MATERIA	DEPARTMENT OF FOBLIC WORKS & DEDOG.
	LOW BLAK 75 448.355 459.355 25.903 LOOB BLAK 75 448.355 450.485 7.560 LOOB BLAK 77 448.756 450.485 7.560 SULIC 77 448.756 450.485 7.560 DOB BLAK 78 448.756 450.485 7.560 DOB BLAK 78 448.756 450.495 7.560 DOB BLAK 78 448.754 450.400 7.550 DOB BLAK 79 448.194 450.401 7.550 SPLICE 39 448.092 450.425 7.560 DOB BLAK 31 448.092 450.425 7.560 DOB BLAK 31 448.092 450.425 7.560 DOB BLAK 31 448.092 450.426 7.560 DOB BLAK 34 447.056 450.646 7.560	BILL OF MATERIA *Structural Steel LDS 36	L DEPARTMENT OF PUBLIC WORKS & BLDGS. 24,670 DIVISION OF HIGHWAYS
	PLOPE REAM 75 448,355 450,355 25,560 750,666 7		L DEPARTMENT OF PUBLIC WORKS & BLDGS. 22/p70 DIVISION OF HIGHWAYS FRAMING PLAN
	LOW BLAK 75 448.355 459.355 25.905 LOOB BLAK 75 448.355 450.485 7.560 LOOB BLAK 77 448.756 450.485 7.560 SULIC 77 448.756 450.485 7.560 DOB BLAK 78 448.756 450.485 7.560 DOB BLAK 78 448.756 450.495 7.560 DOB BLAK 78 448.756 450.495 7.560 DOB BLAK 79 448.196 450.495 7.560 SPLICE 39 448.091 450.455 7.560 SPLICE 39 448.092 450.442 7.590 DOB BLAK 37 448.094 450.442 7.590 DOB BLAK 34 447.055 450.642 7.590	*Structural Steel Lbs. 30	L DEPARTMENT OF PUBLIC WORKS & BLDGS. 24/670 DIVISION OF HIGHWAYS FRAMING PLAN SPANS DIS THRU DI7.
	PLOPE BEAM 75 448.355 450.375 450.875 PLOPE BEAM 75 443.355 450.485 7.560 PLOPE BEAM 77 448.736 450.485 7.560 SPLICE 37 448.736 450.485 7.560 PLOPE BEAM 77 448.736 450.495 7.560 PLOPE BEAM 78 448.748 450.495 7.560 PLOPE BEAM 70 448.148 450.497 7.560 PLOPE BEAM 70 448.141 450.791 7.560 PLOPE BEAM 70 448.146 450.491 7.560 PLOPE BEAM 70 448.146 450.791 7.560 PLOPE BEAM 70 448.146	*Structural Steel Lbs. 3 *Weight of Bearing Assemb	L DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS SPART FRAMING PLAN SPANS DIS THRU DIT D//ces with POPLAR STREET BRIDGE APPROACHES
	Dumit Blank 15 444,735 440,735 52,001 5,500 Dumit Blank 75 448,735 450,855 7,500 Dumit Blank 77 444,736 450,455 7,500 Dumit Blank 77 444,736 450,455 7,500 Dumit Blank 77 444,736 450,455 7,500 Dumit Blank 77 444,746 450,457 2,550 Dumit Blank 77 444,744 450,717 2,550 Dumit Blank 71 444,744 450,717 2,550 Dumit Blank 10 444,744 450,717 2,550 Dumit Blank 11 448,044 450,447 2,550 Dumit Blank 12 448,044 450,447 2,560 Dumit Blank 12 448,045 450,447 2,560 Dumit Blank 13 448,045 450,447 2,560 Dumit Blank 14 477,755 450,468 2,560 Dumit Blank	*Structural Steel LDS. 30 *Weight of Bearing Assemb Lead Plates and Anchor Be	L DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS 22/4/70 DIVISION OF HIGHWAYS FRAMING PLAN SPANS DIS THRU DIT Divisor ore POPLAR STREET BRIDGE APPROACHES ROADWAY "D"
<i>₽ М. R.</i>	PLOPE REAM 75 440.355 440.355 450.355	*Structural Steel Lbs. 3 *Weight of Bearing Assemb	L DEPARTMENT OF PUBLIC WORKS & BLDGS. 22/\$/70 DIVISION OF HIGHWAYS Division of HIGHWAYS FR A MING PLAN b//es with POPLAR STREET BRIDGE APPROACHES p/ls ore ROADWAY "D" tree(F.A.I.RITO ST.CLAIR CO. SECTIONR2-3HVF8F-
ЯМ Я. DC H А J C X A	PLOTE BEAM 75 448.355 450.375 450.355 PLOTE BEAM 75 448.355 450.456 7.560 PLOTE BEAM 77 448.256 450.456 7.560 SPLICE 37 448.256 450.456 7.560 PLOTE BEAM 76 448.256 450.456 7.560 PLOTE BEAM 76 448.256 450.456 7.560 PLOTE BEAM 78 448.1784 450.470 7.560 PLOTE BEAM 10 448.148 450.470 7.560 PLOTE BEAM 10 448.057 450.470 7.560 PLOTE BEAM 10 448.057 450.470 7.560 PLOTE BEAM 10 448.057 450.470 7.560 PLOTE BEAM 449.054 450.471 2.560 7.560 PLOTE BEAM 449.054 450.471 2.560 7.560 PLOTE BEAM 449.054 450.471 2.560 7.560 PLOTE BEAM 449.054 45	*Structural Steel Lbs. 38 * Weight of Bearing Assemb Lead Plates and Anchor Be Included as Structural S	L DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS 22/4/70 DIVISION OF HIGHWAYS FRAMING PLAN SPANS DIS THRU DIT Divisor ore POPLAR STREET BRIDGE APPROACHES ROADWAY "D"

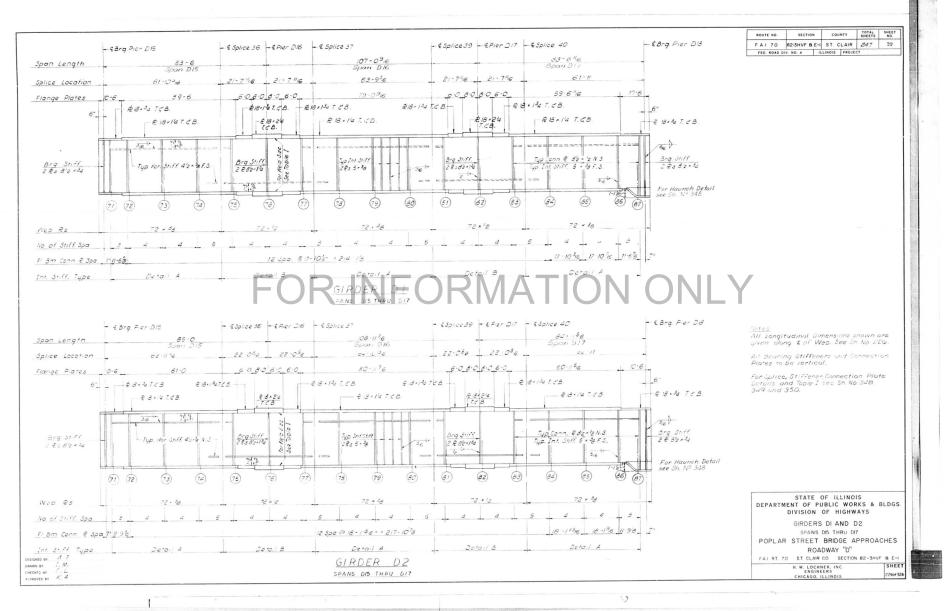
 ROUTE NO.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEET NO.

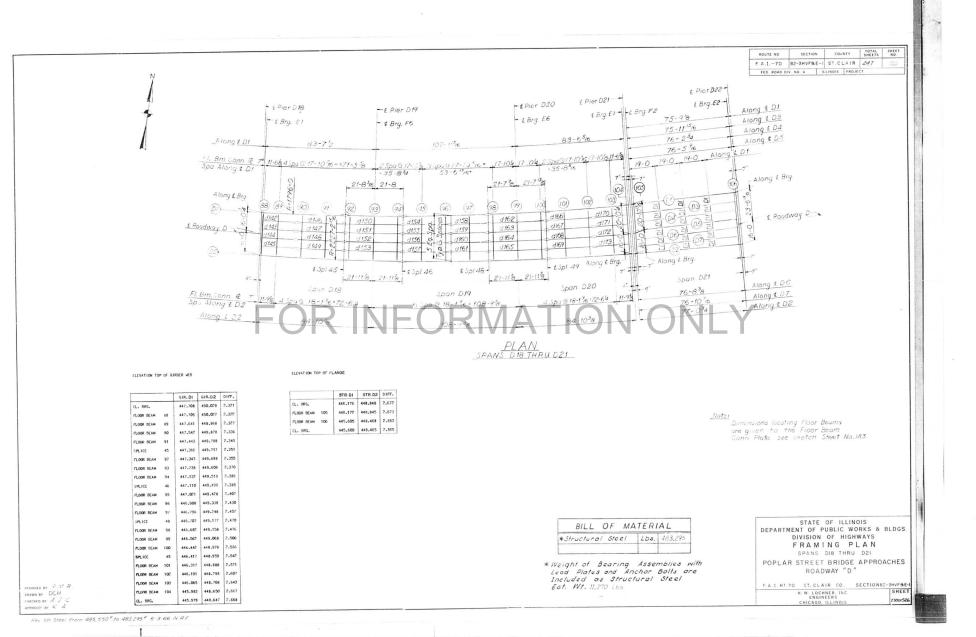
 F. A. I. - 70
 82-3HVFBE-I
 ST CLAIR
 Z47
 28

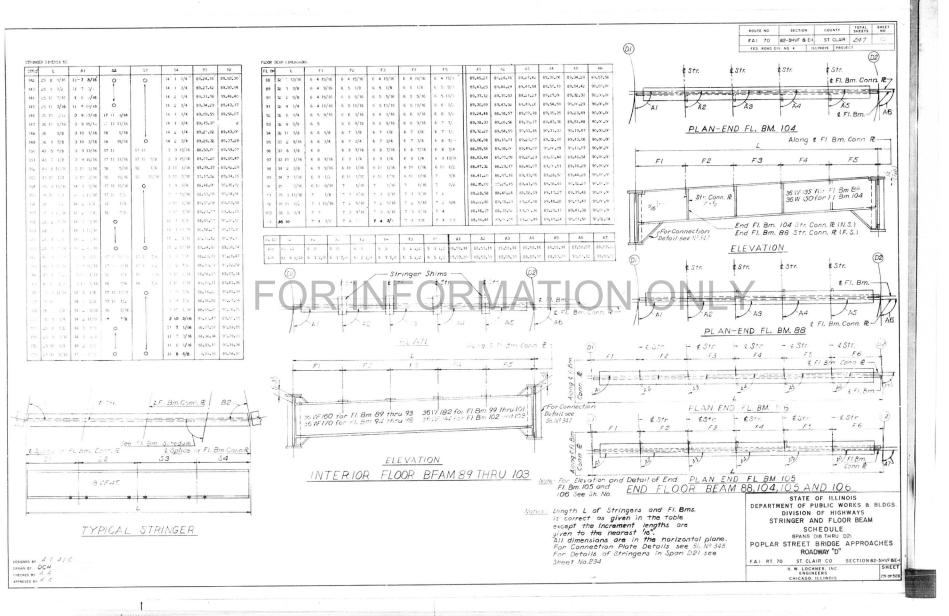
12.00

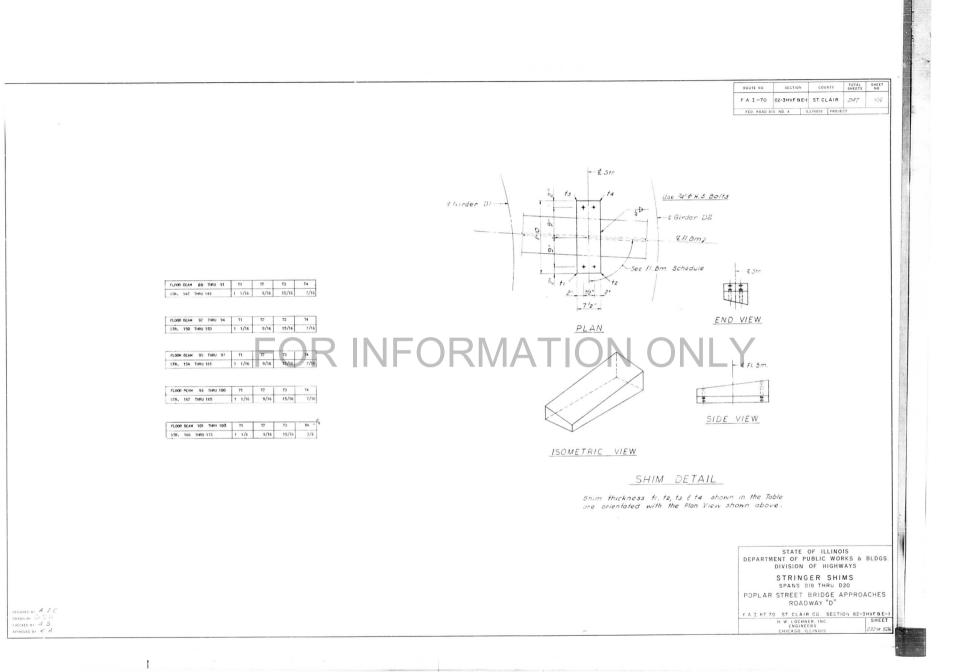


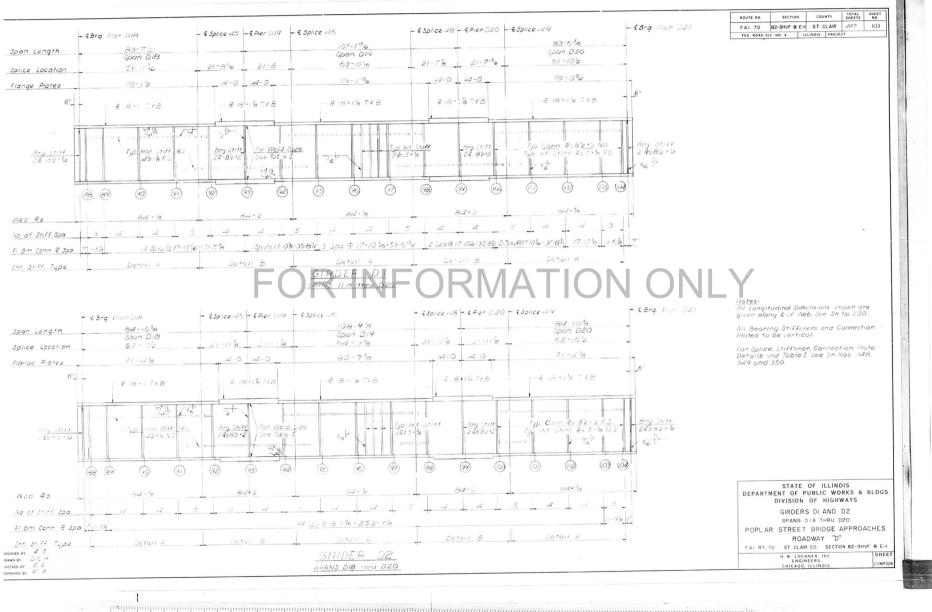






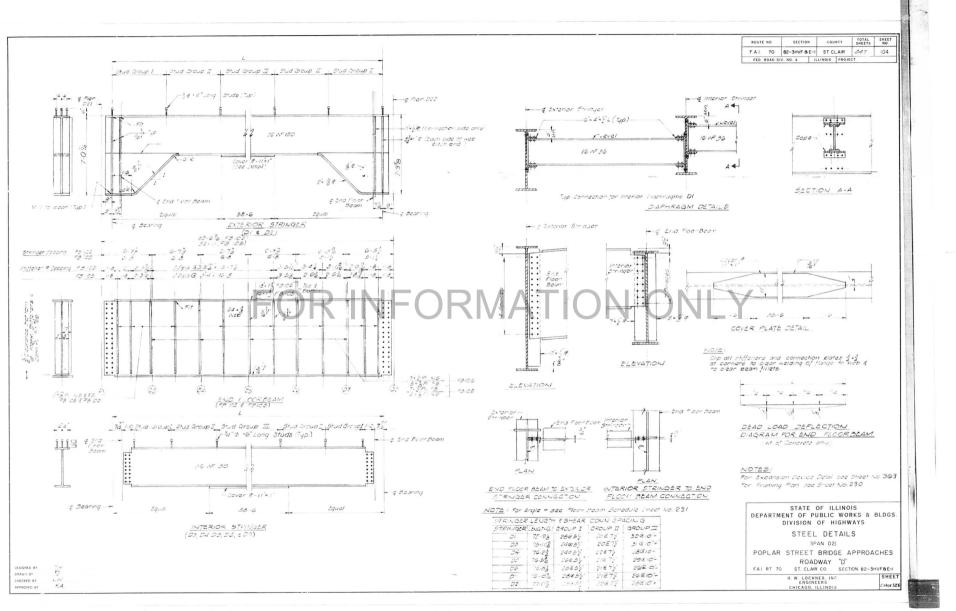


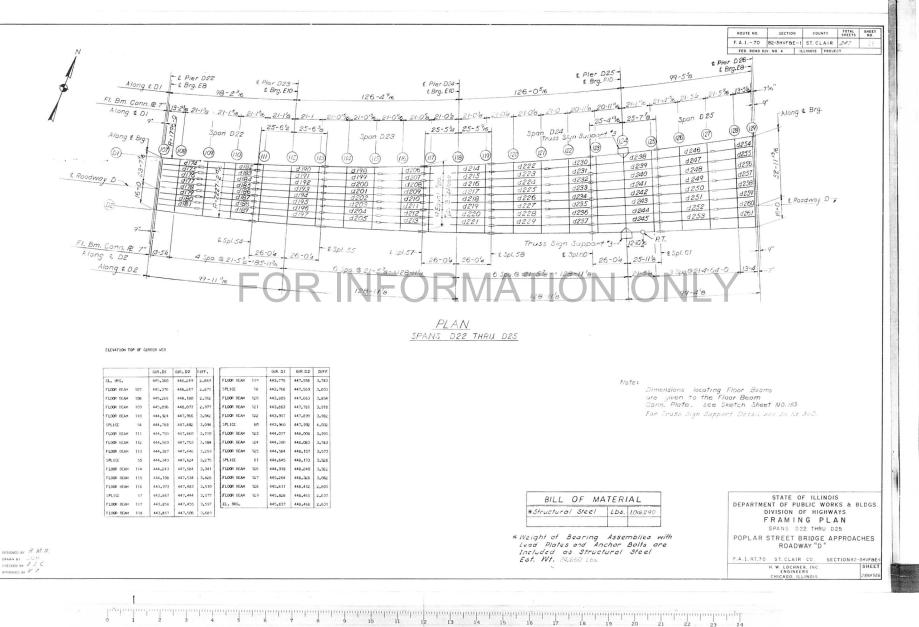


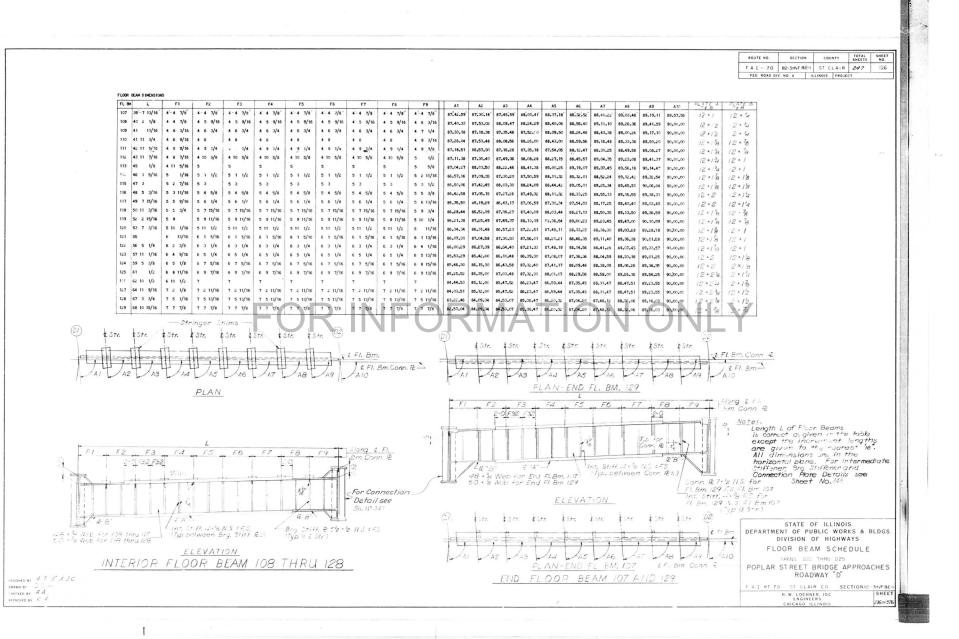


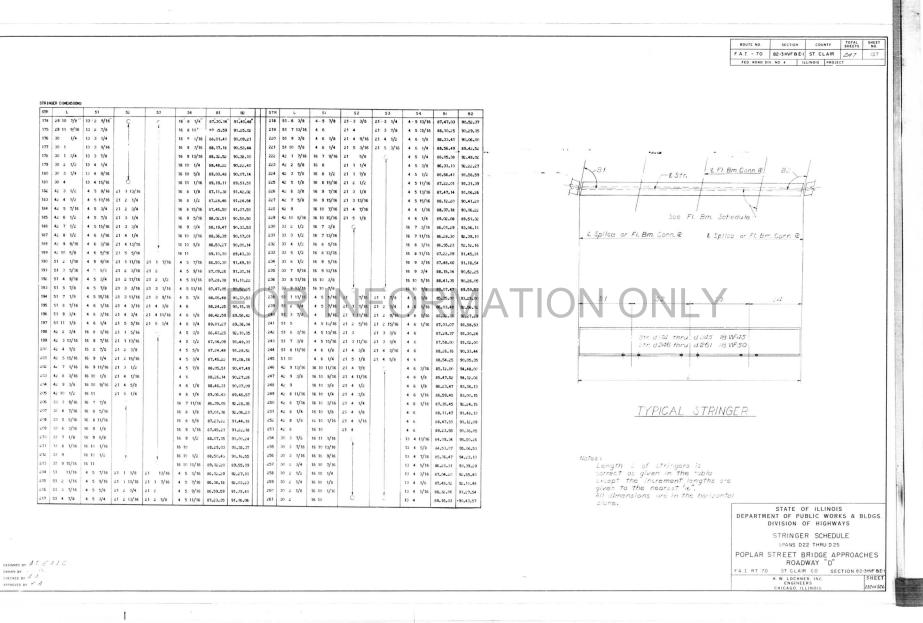
 $\begin{bmatrix} 0 & 1 & 2 \\ 1 & 2 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 2 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 2 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 2 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 2 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 0 \\ 1 & 0 & 0 \end{bmatrix} =$

 \backslash

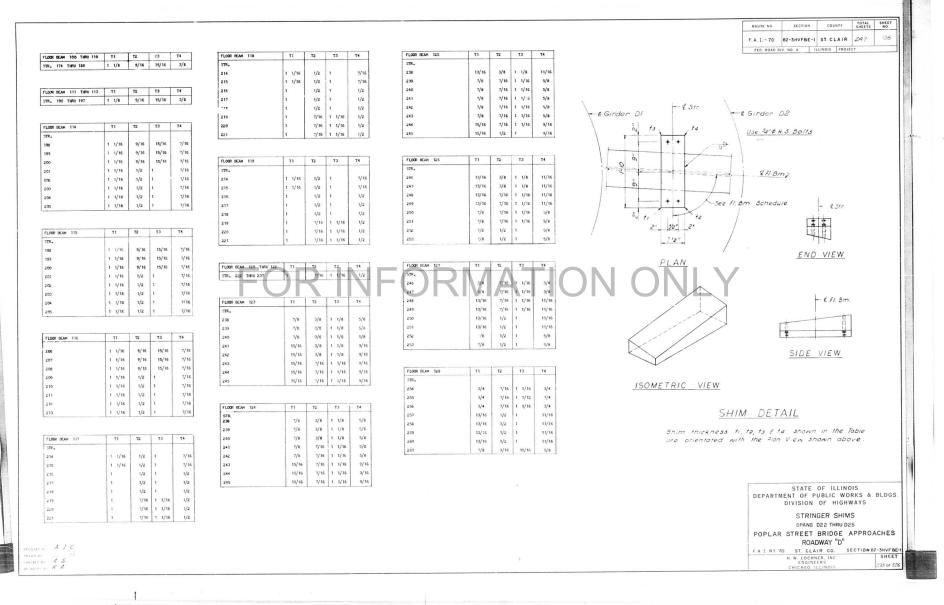


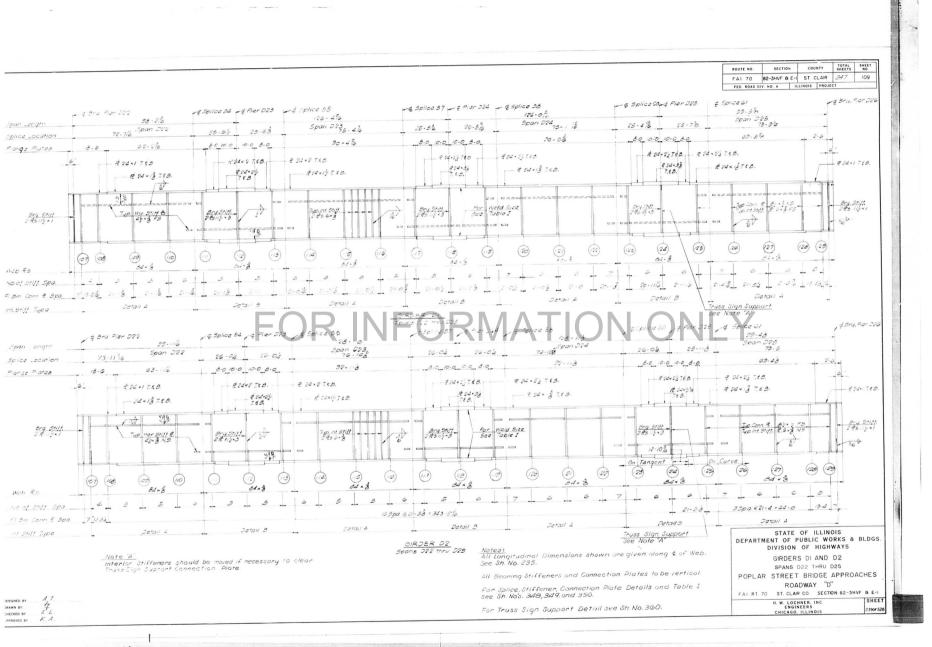


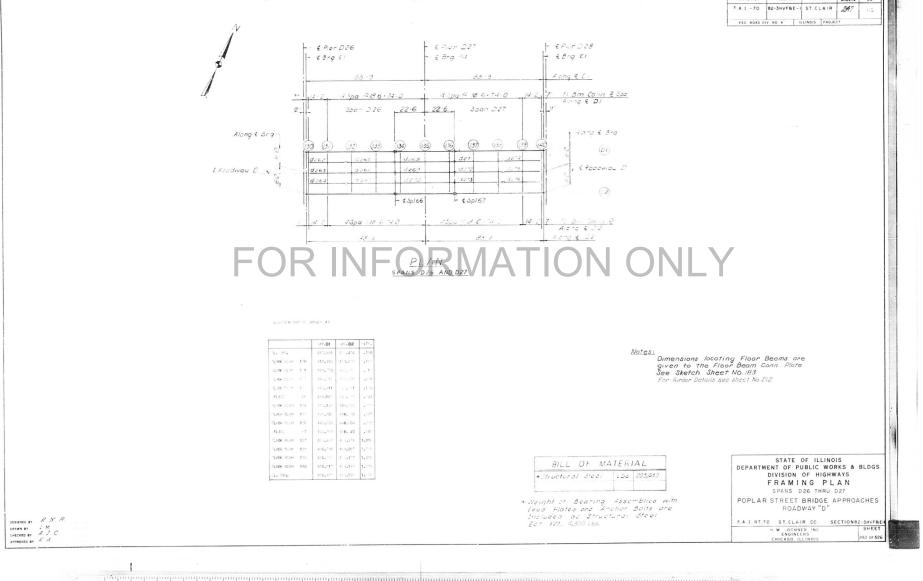




 \mathbf{i}

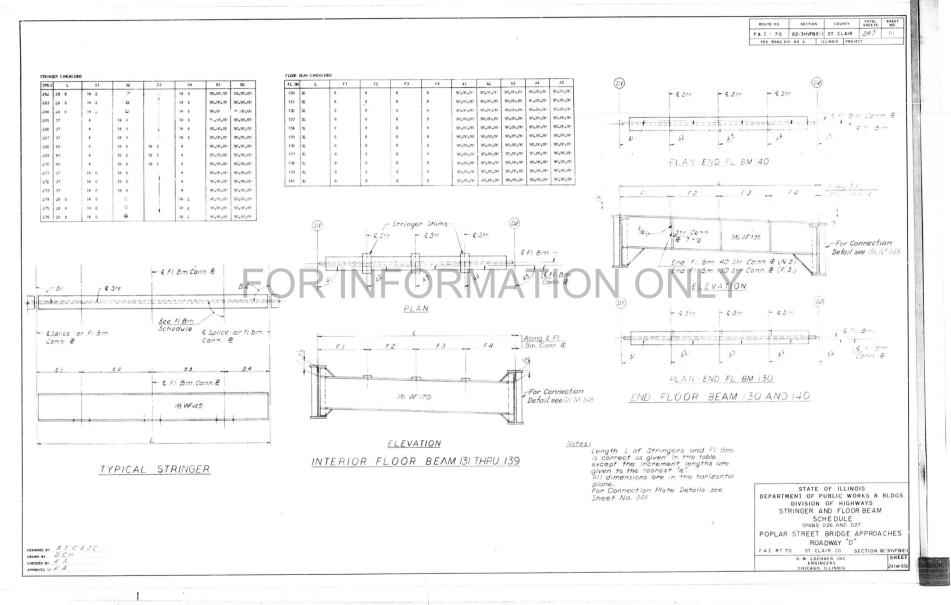




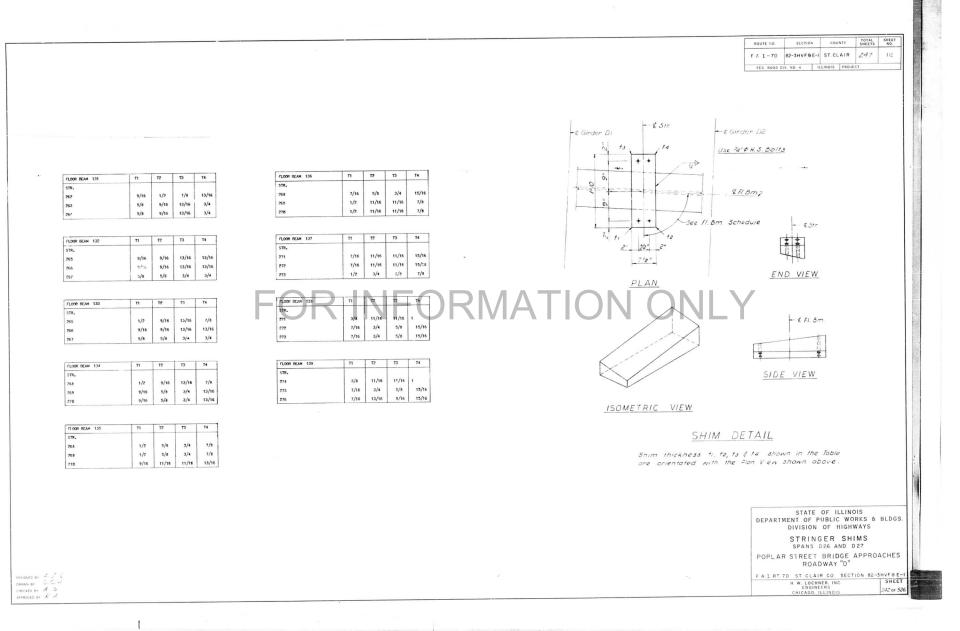


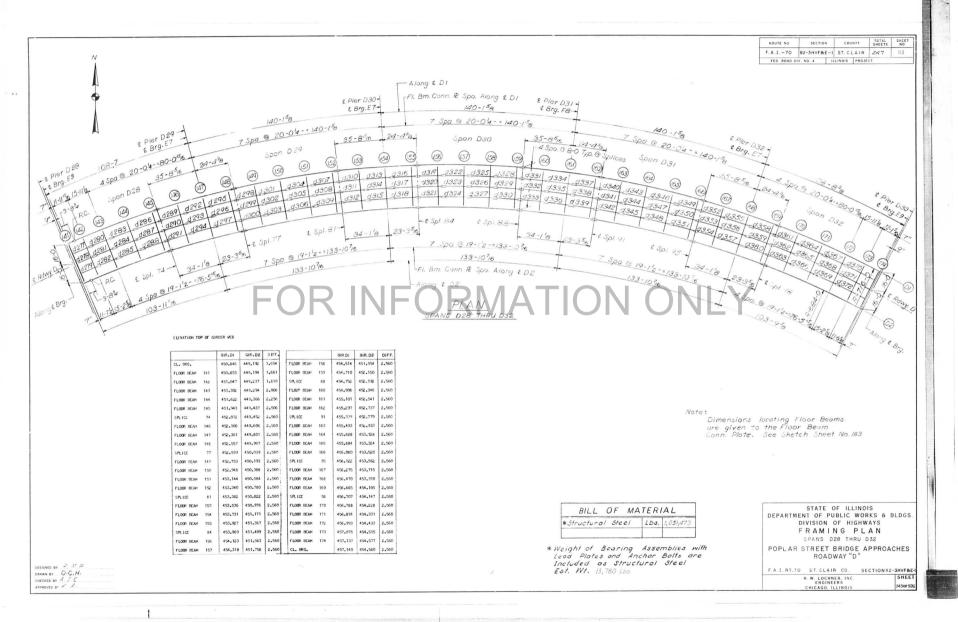
ROUTE NO.

SECTION COUNTY TOTAL SHEET NO.

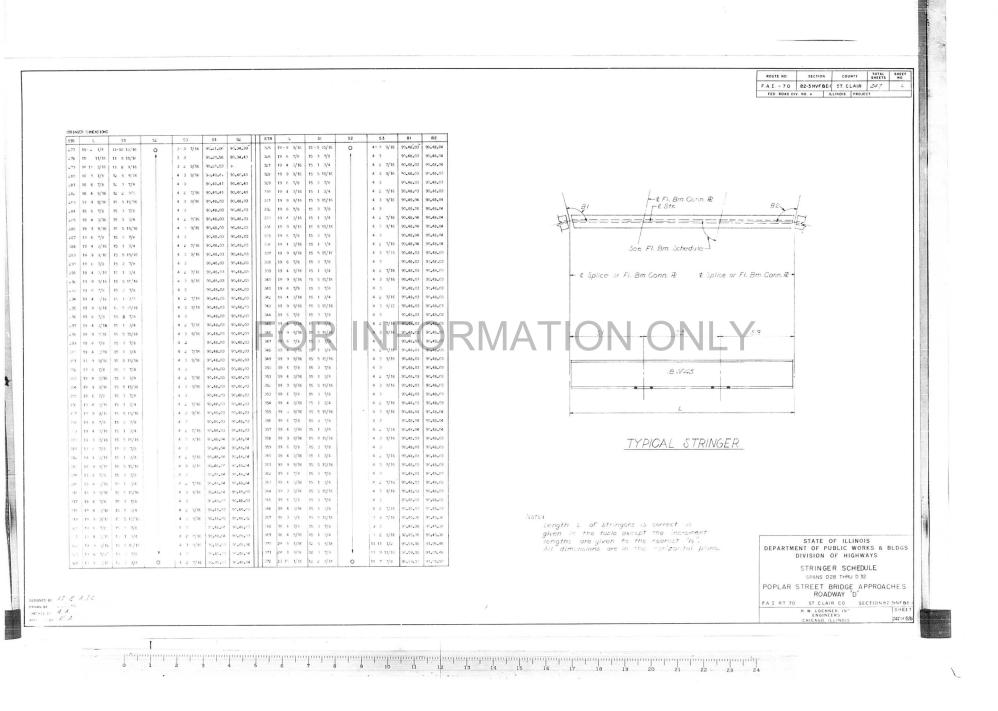


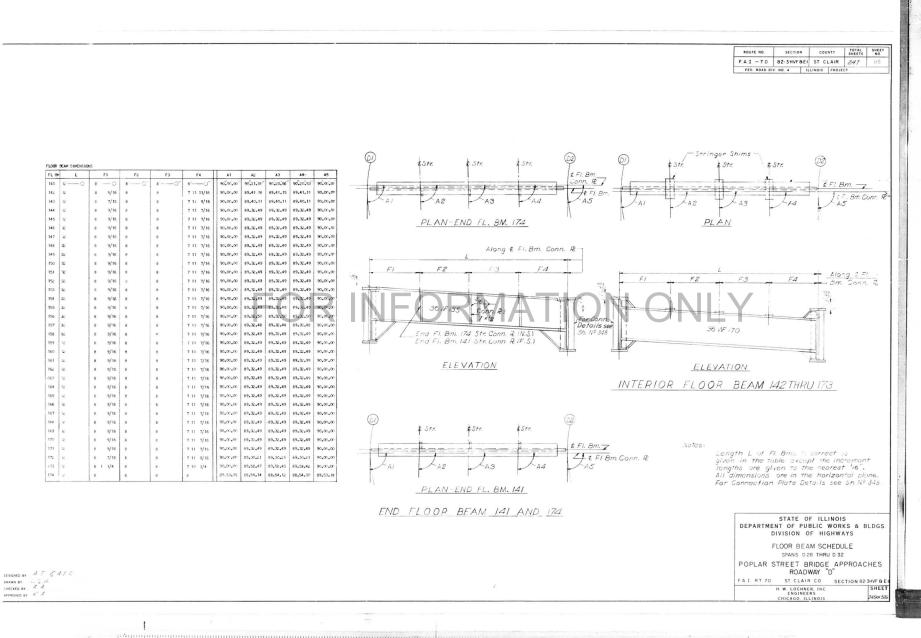
 $\begin{smallmatrix} 1&1&1\\0&1&2&3&4&5&6&7&8&9&10&11\\0&1&2&3&4&5&6&7&8&9&10&11\\0&1&2&13&14&15&16&17&18&19&20&21&22&23&24\\ \end{smallmatrix}$



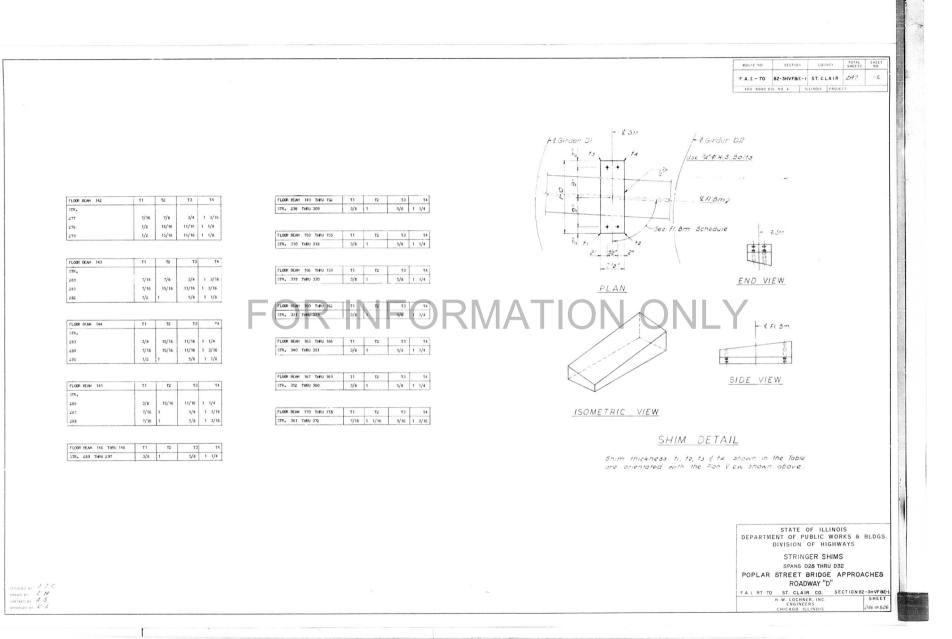


 $\frac{1}{1} \frac{2}{2} \frac{3}{4} \frac{5}{6} \frac{6}{6} \frac{7}{6} \frac{6}{9} \frac{9}{10} \frac{10}{11} \frac{12}{12} \frac{13}{14} \frac{14}{15} \frac{16}{16} \frac{17}{17} \frac{19}{19} \frac{19}{20} \frac{20}{21} \frac{22}{22} \frac{23}{23} \frac{24}{24}$

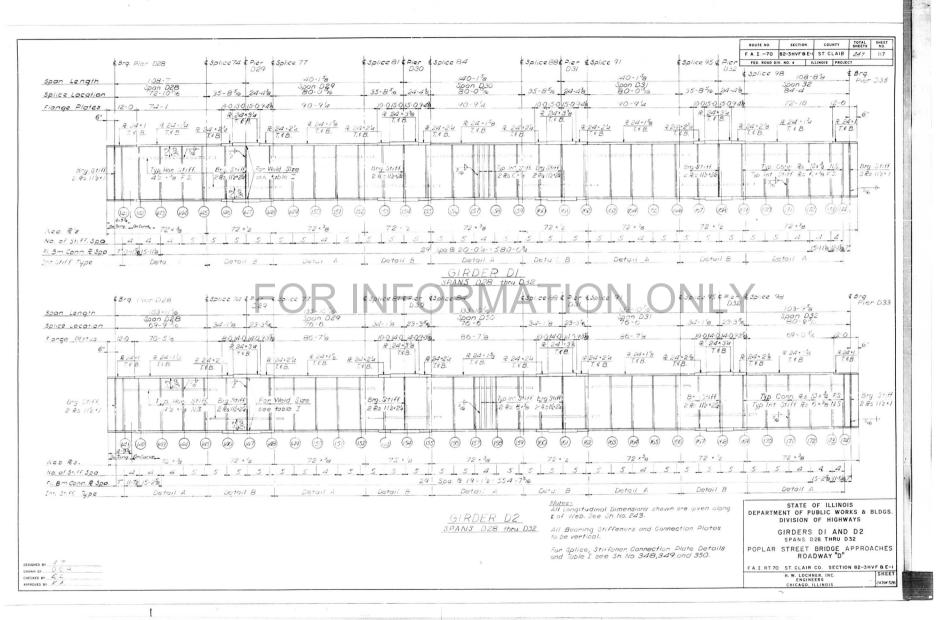




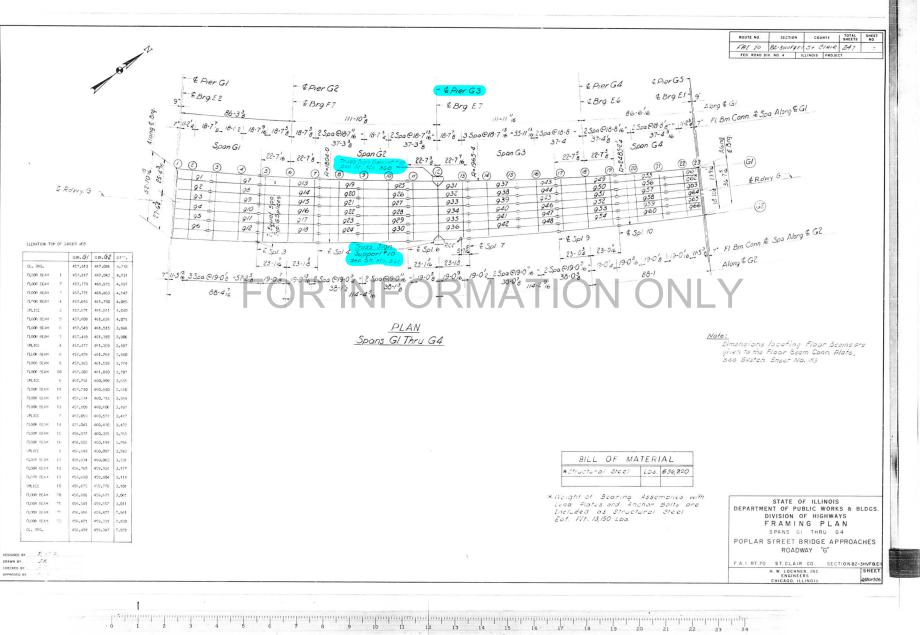
....



.



\





ESIGNED BY

DRAWN BY

CHECKED BY

APPROVED BY

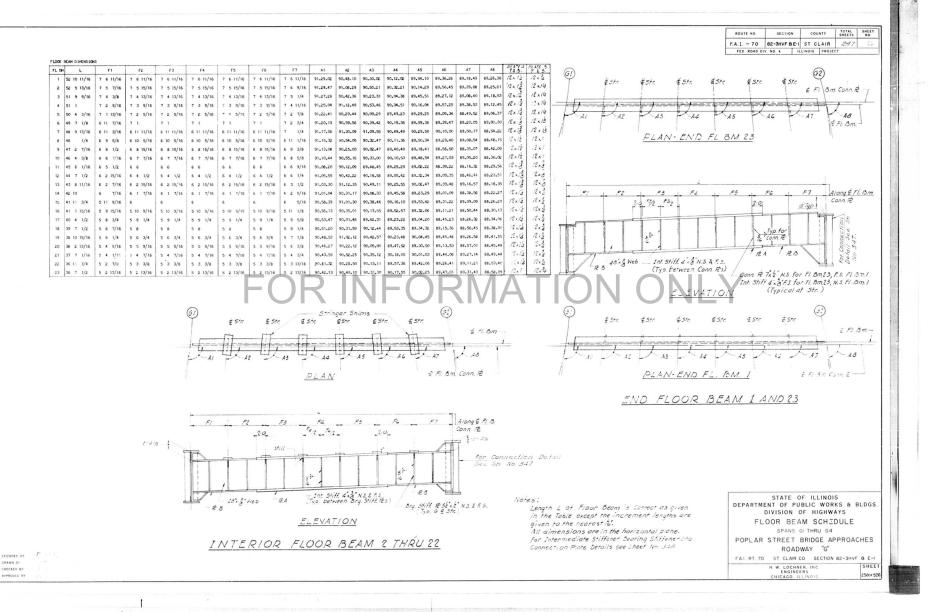


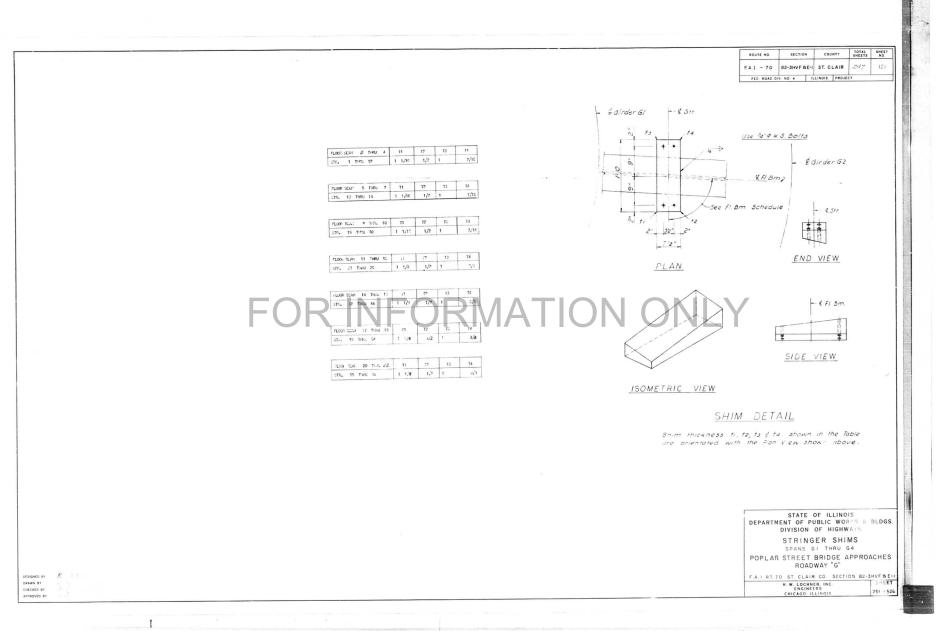
.....

ROUTE NO.

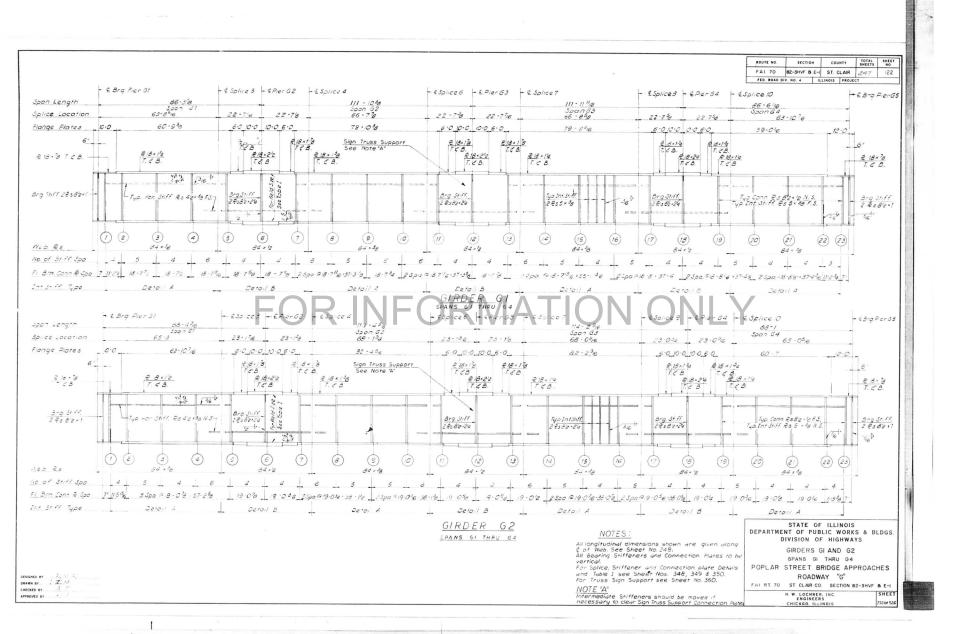
SHEET

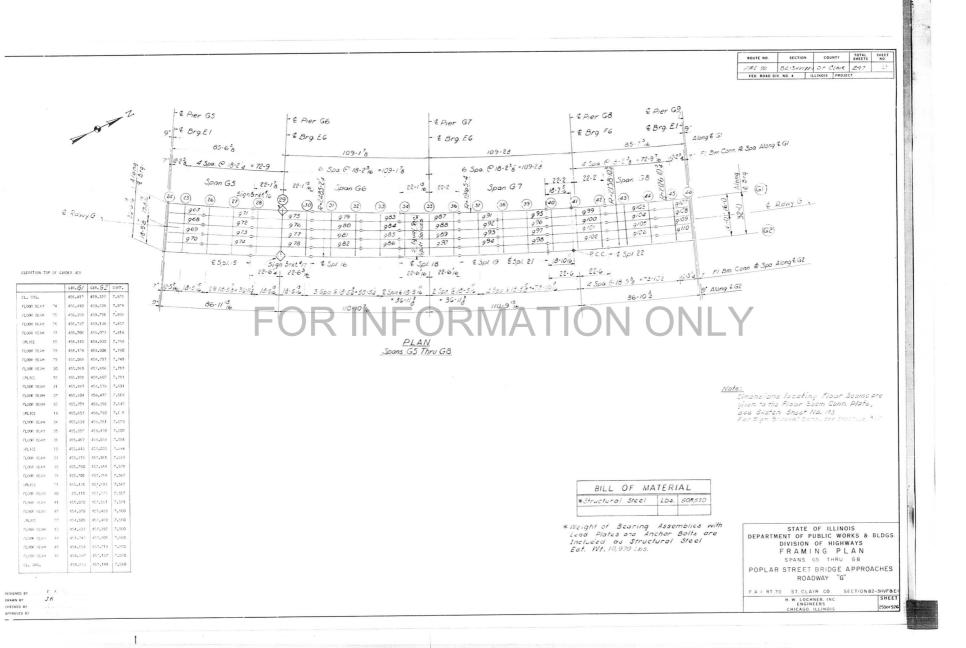
SECTION COUNTY TOTAL SHEETS F.A.I. - 70 82-3HVF 8E-1 ST. CLAIR 247

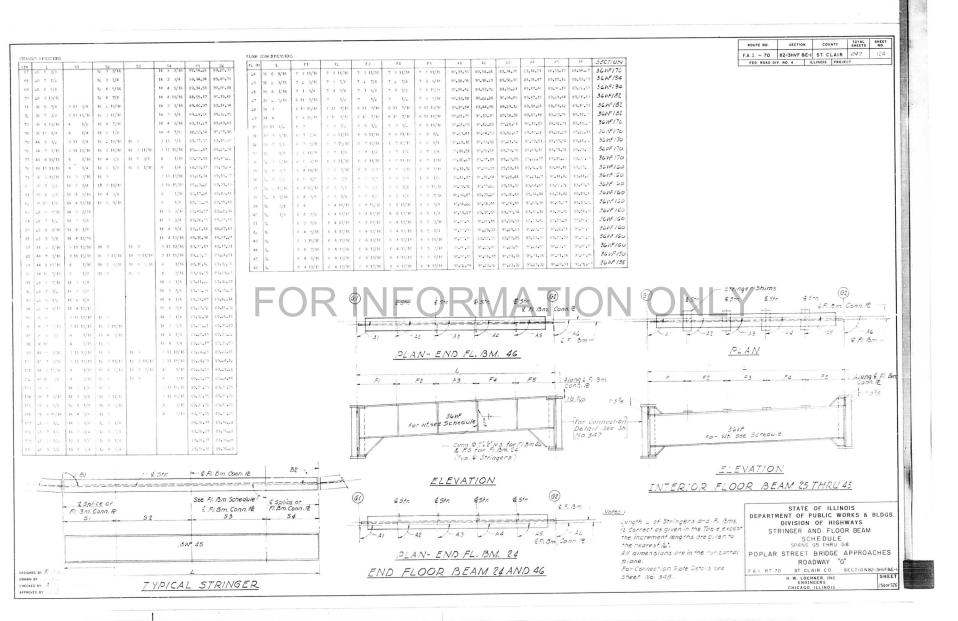


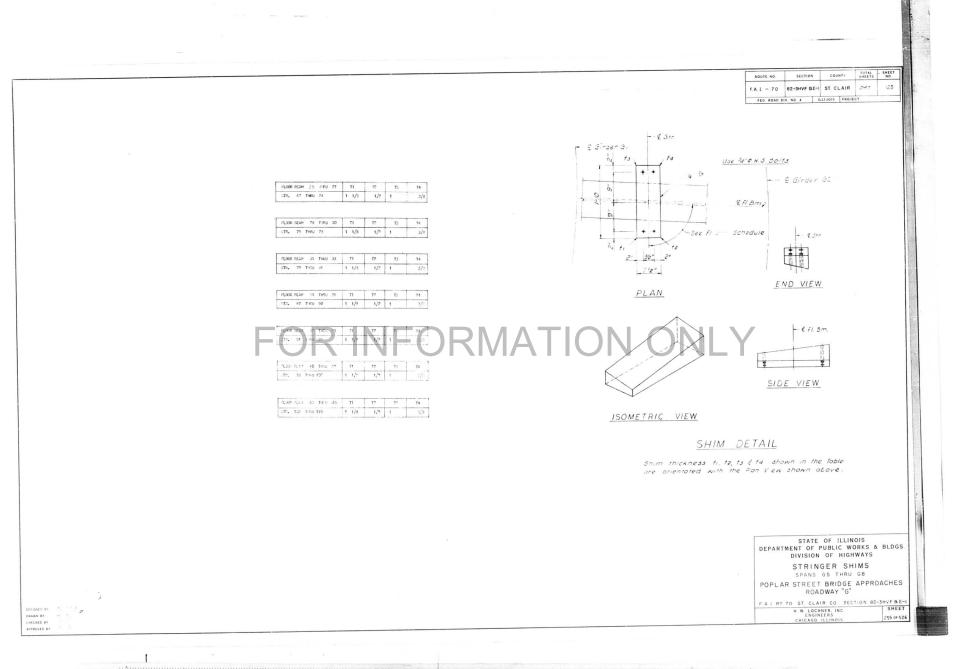


a second second

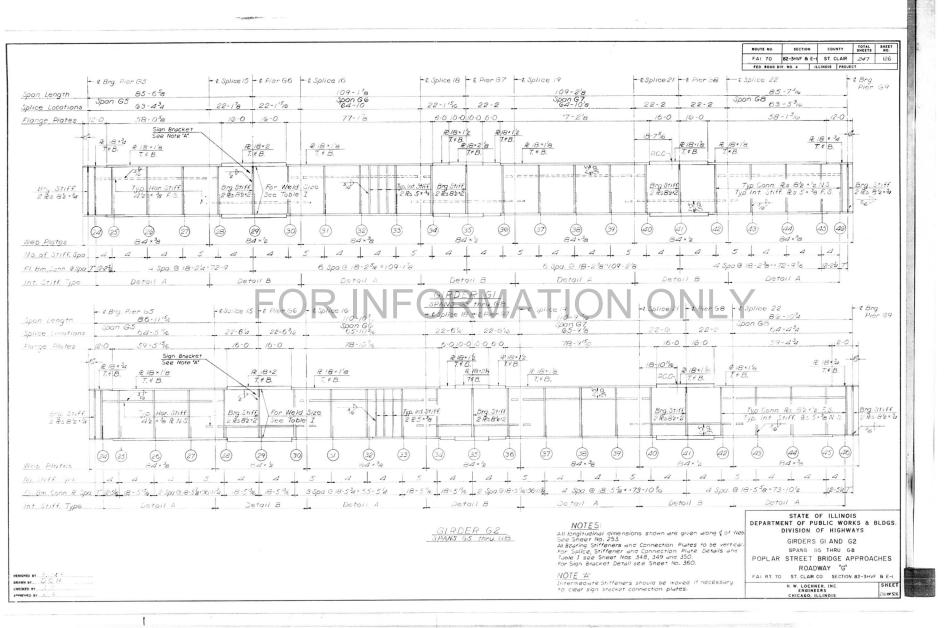


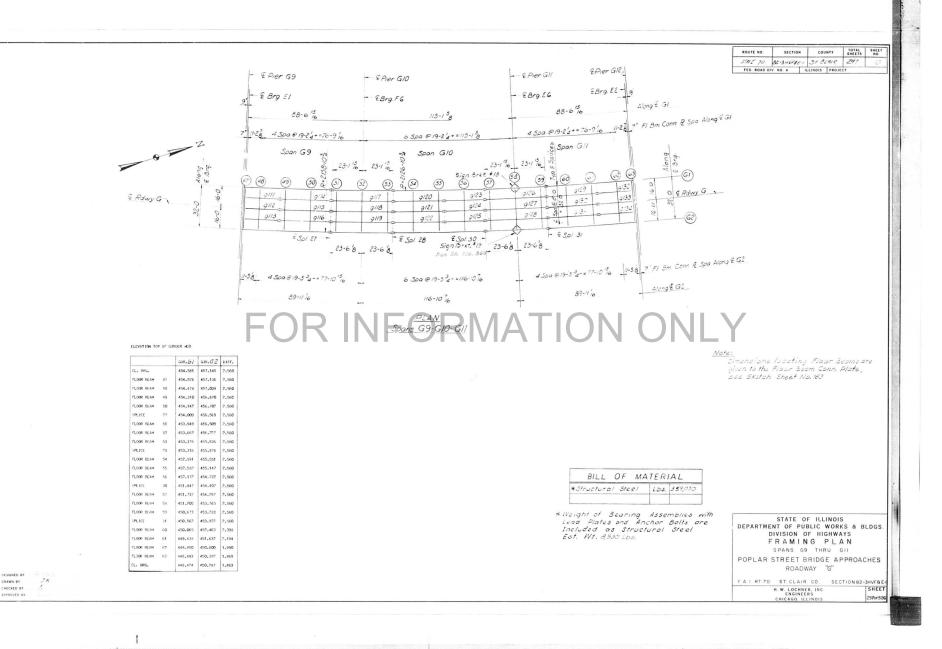


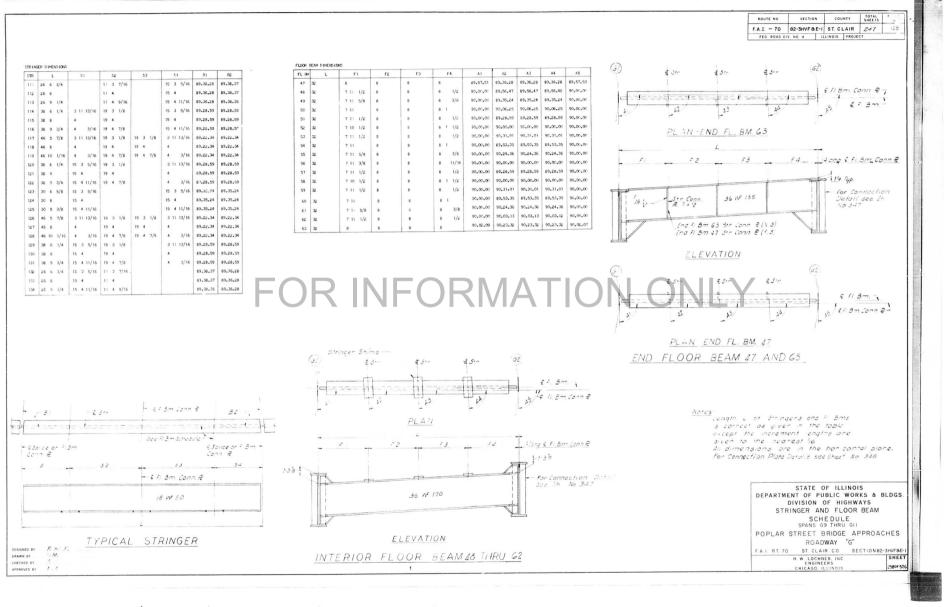


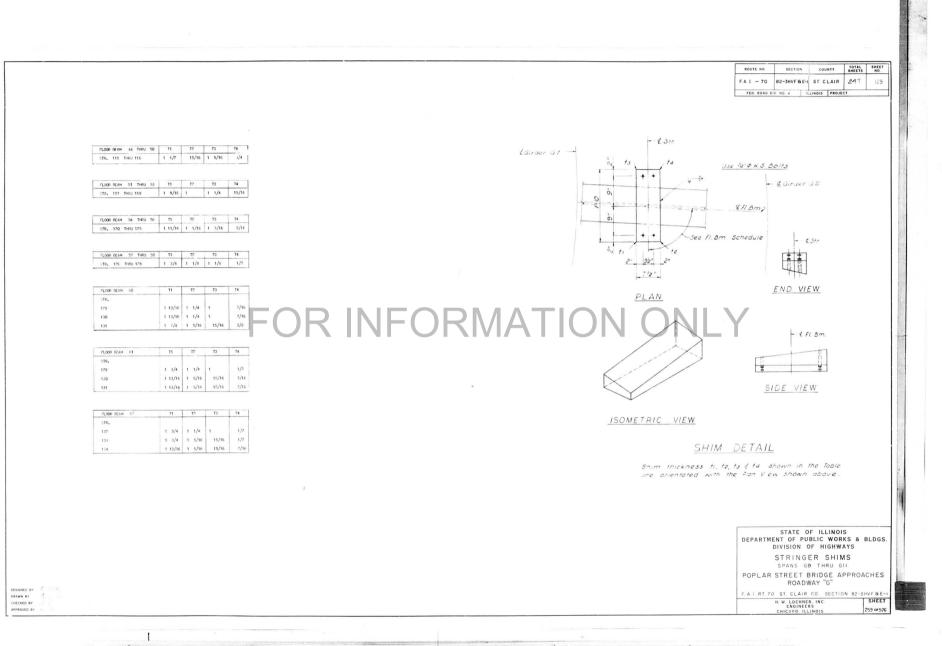


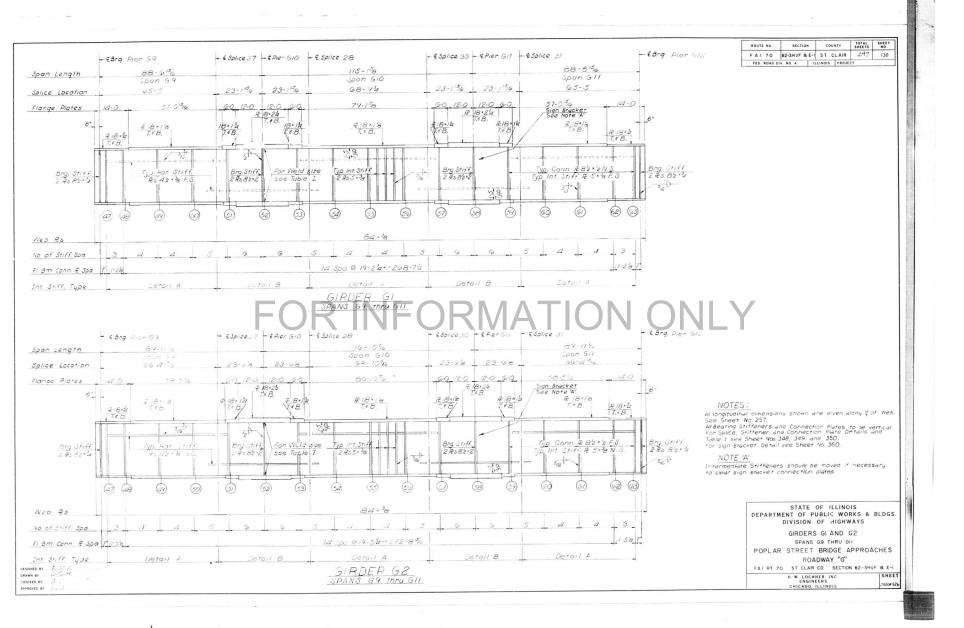
r

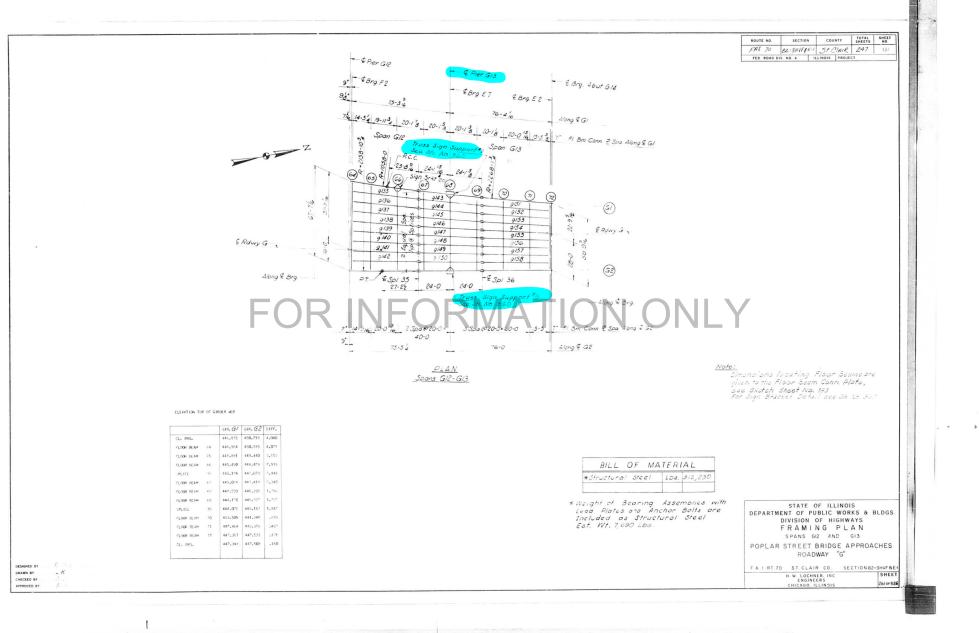


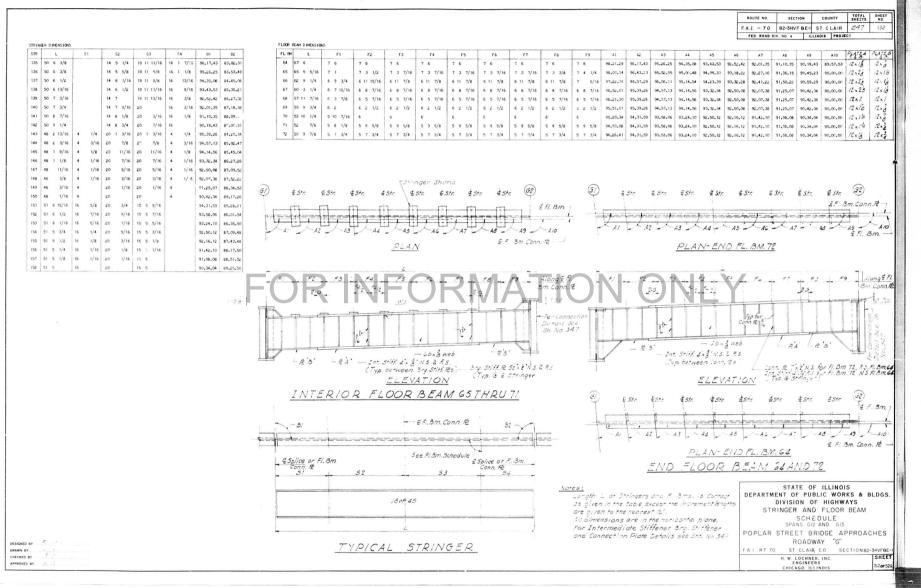








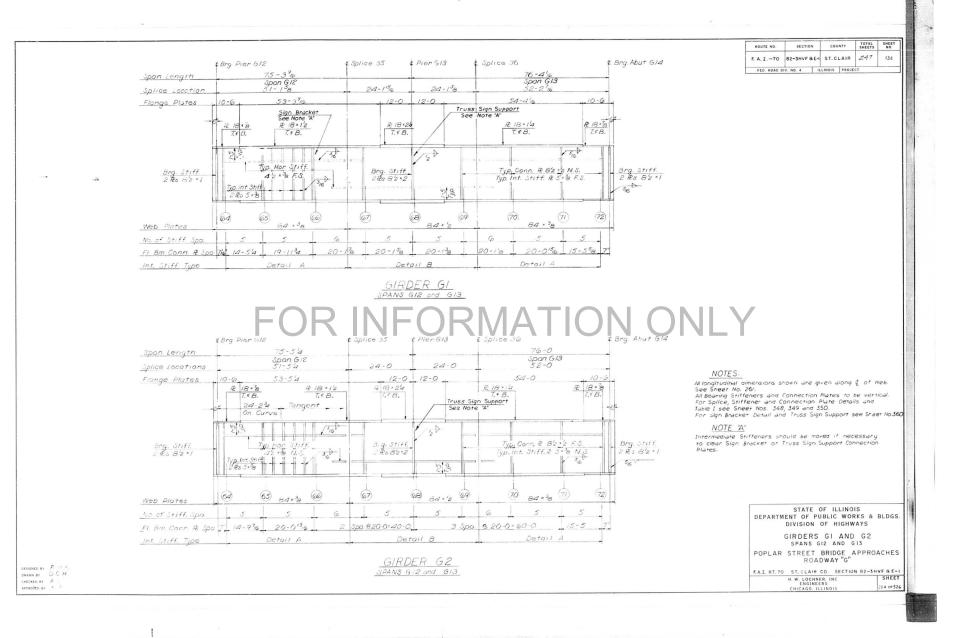


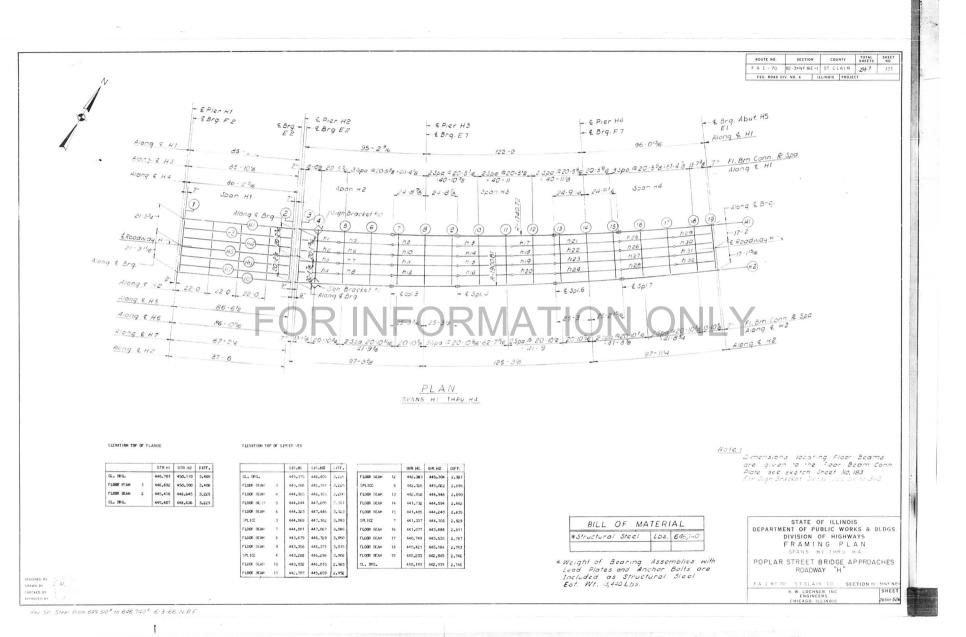


			FLOOR BLAM 15		10	13		FED. ROAD DIV. NO. 4 ILLINOIS PROJECT
			STR. 143	1 9/16		15/16	11/16	
				1 9/16		15/16	11/16	
			144			11120-00		
			145	1 5/8 1 5/8	1 3/8	7/8	5/8	-4 Str
			146			7/8	5/8	- ¢ Girder G/
			147	1 11/16		13/16	9/16	t +3 + +4
			149	1 11/16		3/4	9/16	1 03e -2 4 H.S. Dolls
			149	1 3/4		3/4	1/2	+ + b Girder G2
			150	1 3/4	1 9/16	11/16	1/2	
								0
								+
			FLOOR BEAM 69	71	T2	T3	T4	a an omy
LOOR BEAM 65	T1 T2 T.	3 14	STR.		11.	10		6
TR.			143	1 1/2	1 5/16	15/16	3/4	+ +
35		1/16 11/16	144	1 9/16		7/8	11/16	See FI. Bm Schedule
36	5 28.6 LC 2000 X	1/16 5/8	145		1 3/8	7/8	11/16	to to te
37	1 11/16 1 1/4 1	5,/16				13/16	5/8	
38	A REAL PART AND A REAL	5/16 9/16	146	1 5/8				
39	1 3/4 1 5/16 1	5/16 1/2	147		1 1/2	3/4	5/3	7/2"
40		7/8 1/2	148	1 11/16		3/4	9/16	
41	1 13/16 1 3/8	7/8 7/16	149	1 11/16		11/16	9/16	END VIEW
147	1 7/8 1 7/16 1	3/16 3/8	150	1 3/4	1 9/16	11/16	1/2	PLAN
	1			_				·
FLOOR BEAM 65	T1 72 T	3 T4	FLOOR BEAM 70	71	T2	T3	T4	\wedge
TR.			TR.					- € FL 3m.
35	1 9/16 1 3/16 1	1/16 11/16	151	1 9/16		13/16	11/16	
36	1 9/16 1 1/4 1	11/16	157	1 9/16	1 7/16	13/16	11/16	
37	1 5/8 1 1/4 1	5/e	153		1 1/2	3/4	5/8	
38	1 11/16 1 5/16 1	5/16 9/16	154	1 5/8	1 1/2	•/4	5/8	
39	1 11/16 1 3/8	7/e 9/16	155	1 5/8	1 9/16	11/16	5/8	
140	1 3/4 1 3/8	7/8 1/?	156		1 9/16	11/16	9/16	SIDE VIEW
141	1 3/4 1 7/16 1	3/16 1/2	157	1 11/16	1 9/16	11/16	9/16	
142	1 13/16 1 7/16 1	3/16 7/16	158	1 3/4	1 5/8	s/a	1/2	~
	1							
								ISOMETRIC_VIEW
			A second s		17	T3	T4	
FLOOR BEAM - 67	T1 T2 1	F3 T4	FLOOR BEAM 71	T1	10	-		
FLOOR BEAM 67	11 17 1	T3 T4	TR.					
STR.	T1 T2 1 1 9/16 1 1/4 1	13 T4 11/16	STR. 151	1 9/16	1 7/16	13/16	11/16	SHIM DETAIL
JTR.	1 9/16 1 1/4 1		CTR. 151 152	1 9/16 1 9/16	1 7/16 1 1/2	3/4	11/16	SHIM DETAIL
5TR. 143	1 9/16 1 1/4 1 1 5/8 1 5/16 1	11/16	118. 151 152 153	1 9/16 1 9/16 1 9/16	1 7/16 1 1/2 1 1/2	3/4 3/4	11/16 11/10	SHIM DETAIL
578. 143 144 145	1 9/16 1 1/4 1 1 5/8 1 5/16 1 1 5/8 1 5/16 1	11/16 15/16 5/8	: TR. 151 152 153 154	1 9/16 1 9/16 1 9/16 1 5/6	1 7/16 1 1/2 1 1/2 1 9/16	3/4 3/4 11/16	11/16 11/16 5/9	
578. 143 144 145 146	1 9/16 1 1/4 1 1 5/8 1 5/16 1 1 5/8 1 5/16 1 1 11/15 1 3/8	11/16 15/16 5/8 15/16 5/3	: TR. 151 157 153 153 154 155	1 9/16 1 9/16 1 9/16 1 5/8 1 5/8	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16	3/4 3/4 11/16 11/13	11/16 11/16 5/8 5/8	Snim thickness ti, te, ta & ta shown in the Table
5784 143 144 145 146 147	1 9/16 1 1/4 1 1 5/8 1 5/16 1 1 5/8 1 5/16 1 1 11/15 1 3/8 1 11/16 1 7/16 1	11/16 15/16 5/8 15/16 5/3 7/8 9/16	6194 151 155 155 155 155 155	1 9/16 1 9/16 1 9/16 1 5/8 1 5/8 1 5/8	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16	3/4 3/4 11/16 11/13 11/16	11/16 11/16 5/8 5/8	Snim thickness ti, te, ta & ta shown in the Table
5784 143 144 145 146 147 148	1 9/16 1 1/4 1 1 5/8 1 5/16 1 1 5/8 1 5/16 1 1 11/16 1 3/8 1 11/16 1 7/16 1 1 3/4 1 7/16 1	11/16 15/16 5/8 15/16 5/3 7/8 9/16 13/16 9/16 13/16 1/2	: TR. 151 157 153 153 154 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Snim thickness ti, te, ta é ta shown in the Table
5784 143 144 145 146 147 148 149	1 9/16 1 1/4 1 1 5/8 1 5/16 1 1 5/8 1 5/16 1 1 1/16 1 3/8 1 11/16 1 2/16 1 1 3/4 1 7/16 1	11/16 5/16 5/8 5/16 5/1 7/8 9/16 13/16 9/16 13/16 1/2 3/4 1/2	6194 151 155 155 155 155 155	1 9/16 1 9/16 1 9/16 1 5/8 1 5/8 1 5/8	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16	11/16 11/16 5/8 5/8	Snim thickness ti, te, ta é ta shown in the Table
176. 43 44 45 46 47 49 49	1 9/16 1 1/4 1 1 5/8 1 5/16 1 1 5/8 1 5/16 1 1 1/16 1 3/8 1 11/16 1 2/16 1 1 3/4 1 7/16 1	11/16 15/16 5/8 15/16 5/3 7/8 9/16 13/16 9/16 13/16 1/2	119. 157 153 154 155 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Snim thickness ti, te, ta é ta shown in the Table
176. 43 44 45 46 47 49 49	1 9/16 1 1/4 1 1 5/8 1 5/16 1 1 5/8 1 5/16 1 1 1/16 1 3/8 1 11/16 1 2/16 1 1 3/4 1 7/16 1	11/16 5/16 5/8 5/16 5/1 7/8 9/16 13/16 9/16 13/16 1/2 3/4 1/2	119. 157 153 154 155 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Snim thickness ti, ta, ta & ta shown in the Table
78. 43 44 45 46 47 48 47 48	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	119. 157 153 154 155 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Snim thickness ti, ta, ta & ta shown in the Table
176. 43 44 45 46 47 49 49	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 5/16 5/8 5/16 5/1 7/8 9/16 13/16 9/16 13/16 1/2 3/4 1/2	119. 157 153 154 155 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Snum thickness ti, te, ts & ta shown in the Table are orientated with the Pan View shown above.
FR. 43 45 45 46 47 48 49	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	119. 157 153 154 155 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Shim thickness ti, te, ta é t4 shown in the Table are orientated with the Pan V ew Shown above. STATE OF ILLINOIS
R. 3 4 5 5 5 5 5 5 5 5 7 19 9	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	119. 157 153 154 155 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Snum thickness til të të shown in the Table anë erientated with the Pan V ew Shown above. STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS
N. 5 6 7 8 9	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	117. 157 153 154 154 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Snim thickness fi, te, te é te shown in the Table are orientated with the Pan V ew shown above. STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDG: DIVISION OF HIGHWAYS
174 - 13 14 145 165 165 163 169	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	117. 157 153 154 154 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Snum thickness til të të shown in the Table anë erientated with the Pan V ew Shown above. STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS
174 - 13 14 145 165 165 163 169	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	117. 157 153 154 154 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Shim thickness ti, te, ts & t4 shown in the Table are orientated with the Pan V ew Shown above. STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS DIVISION OF HIGHWAYS STRINGER SHIMS SPANS OF AND OTS
178. 43 45 46 47 48 49	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	117. 157 153 154 154 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Shim thickness ti, te, ts & t4 shown in the Table are orientated with the Pan V ew shown above. DEPARTMENT OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS DIVISION OF HIGHWAYS STRINGER SHIMS SPANS GIZ AND G13
5784 143 144 145 146 147 148 149	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	117. 157 153 154 154 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Shim thickness ti, ta, ta é ta shown in the Table are orientated with the Pon View shown above. STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS DIVISION OF HIGHWAYS STRINGER SHIMS SPANS OIZ AND OI3
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	117. 157 153 154 154 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Shim thickness ti, te, ts & ta shown in the Table are orientated with the Plan V ew Shown above. Department of public Works & BLDGS Division of HighWays STRINGER SHIMS SPANS GIZ AND GI3 POPLAR STREET BRIDGE APPROACHES ROADWAY "G"
5784 143 144 145 146 147 148 149	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	117. 157 153 154 154 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Shim thickness ti, te, ts & ta shown in the Table are orientated with the Plan V ew Shown above.
776. 143 144 145 146 147 148	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11/16 15/16 5/8 15/16 5/8 15/16 5/8 15/16 9/16 13/16 1/2 2/4 1/2 3/4 7/16	117. 157 153 154 154 155 155	1 9/16 1 9/10 1 9/16 1 5/6 1 5/8 1 5/8 1 11/16	1 7/16 1 1/2 1 1/2 1 9/16 1 9/16 1 9/16 1 5/8	3/4 3/4 11/16 11/13 11/16 5/6	11/16 11/10 5/8 5/8 9/16	Shim thickness fi, to, to \$ t4 shown in the Table are orientated with the Flon V ew Shown above.

FLOOR BEAM (-5 T1 T2 T3 T4

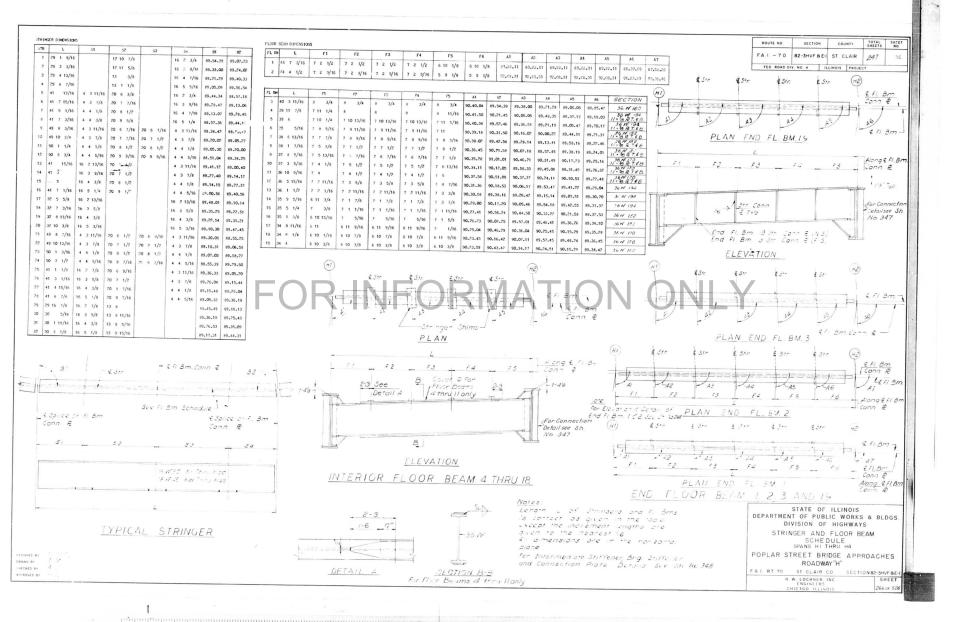
ROUTE NO. SECTION COUNTY TOTAL SHEET NO. F.A. I. 70 82-3HVF & E-1 ST CLAIR 247

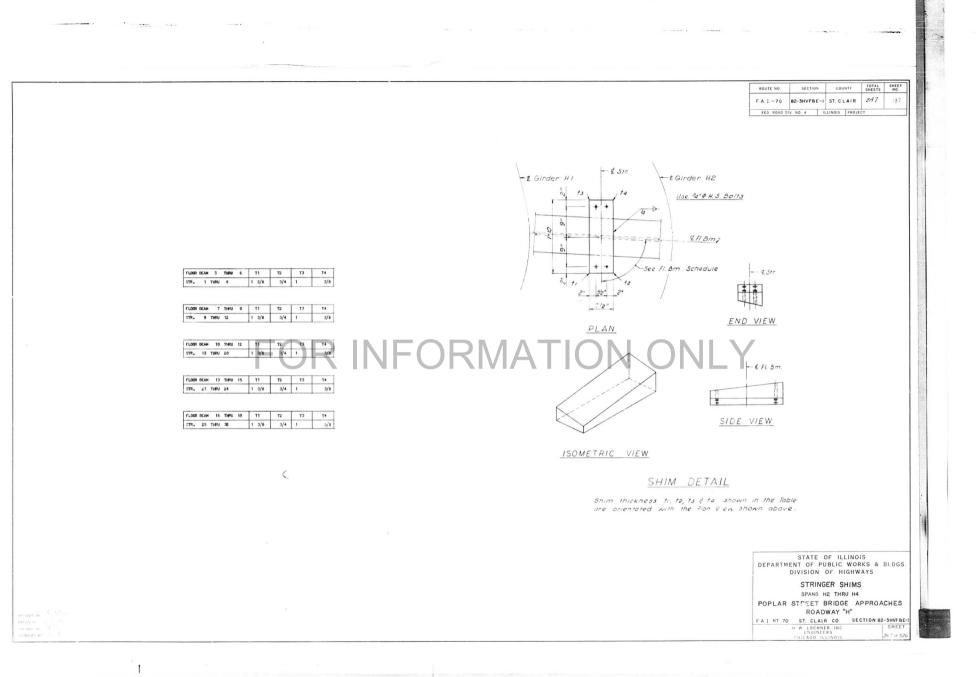




and a second second

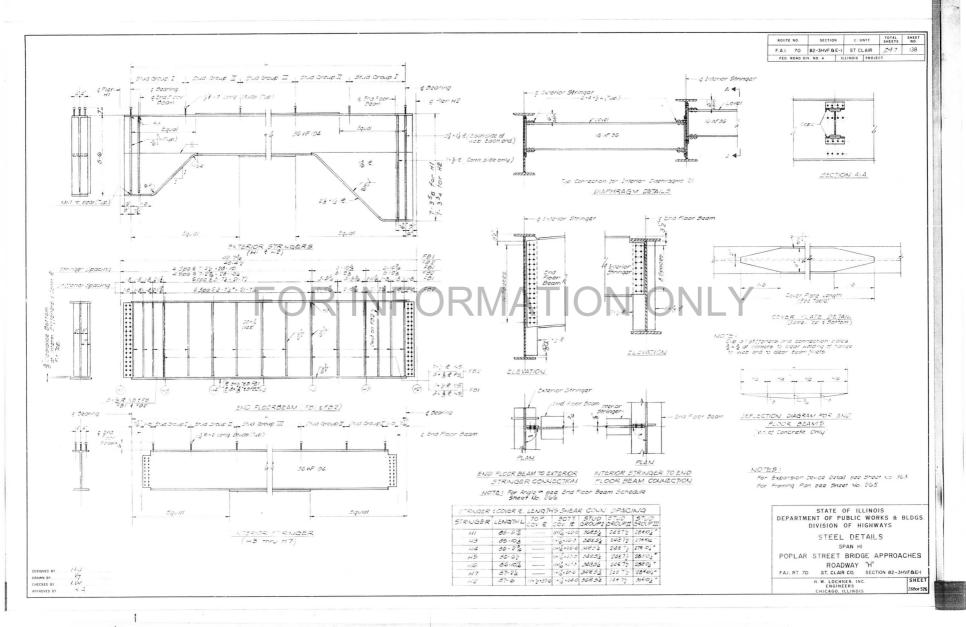
.....

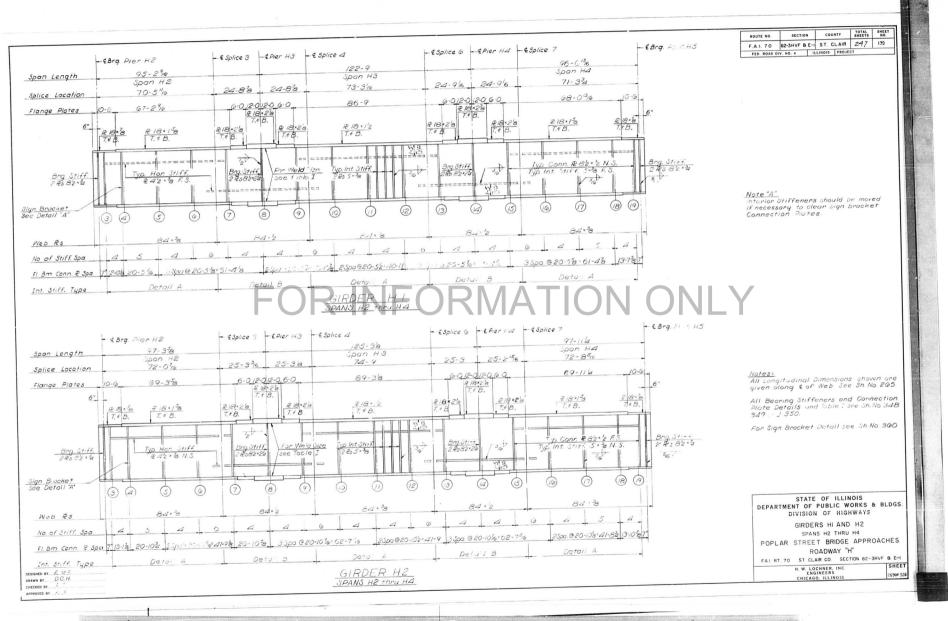


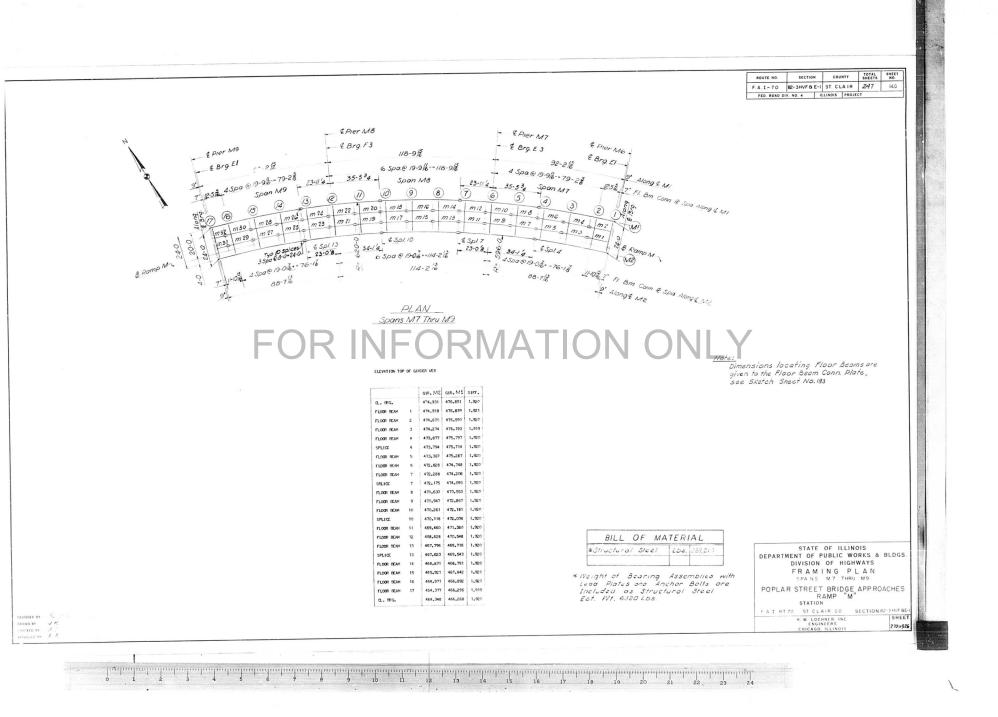


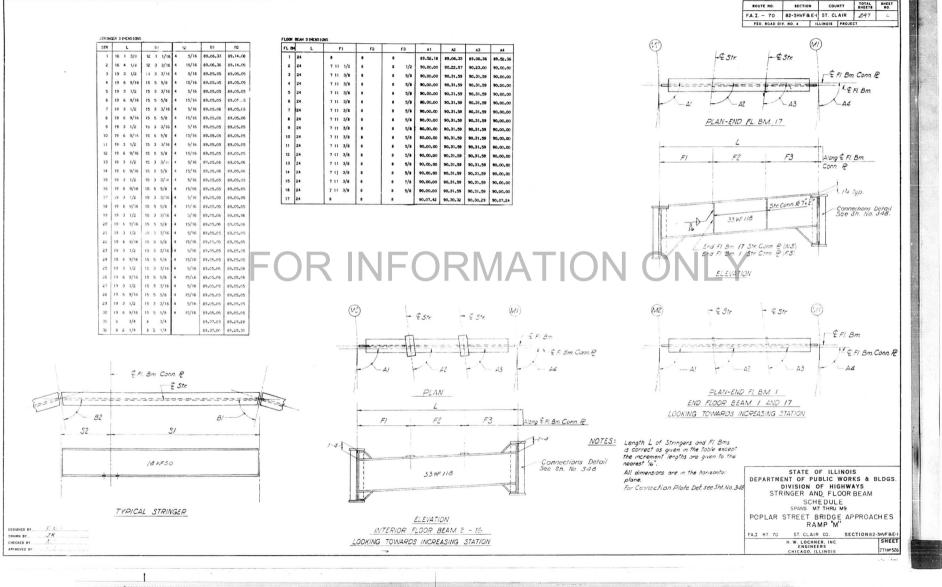
 $\begin{bmatrix} 1 & 1 & 1 \\ 0 & 1 & 2 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 0 & 1 & 2 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 0 & 1 & 2 \end{bmatrix} =$

.

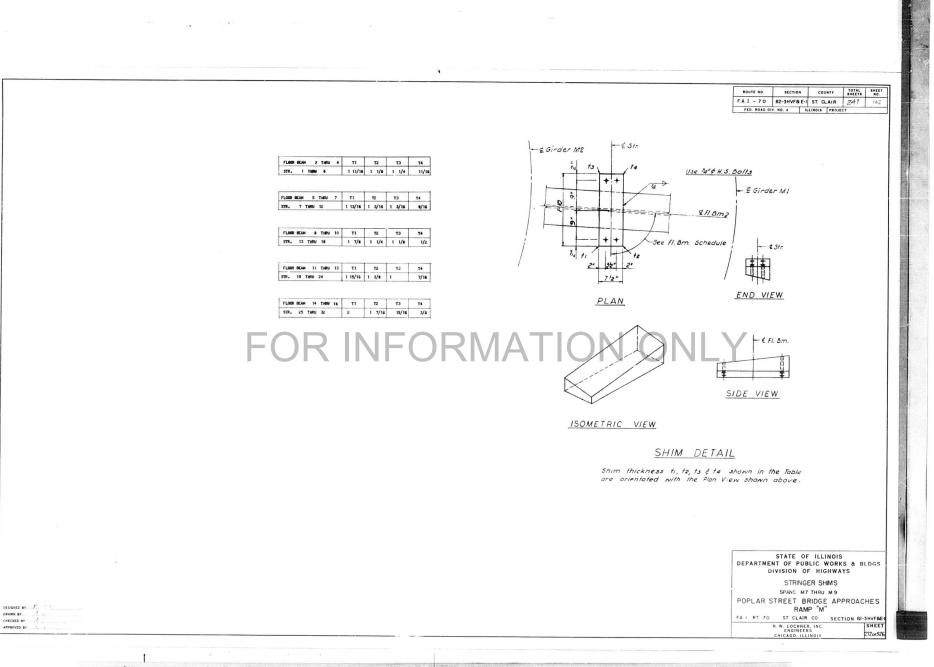




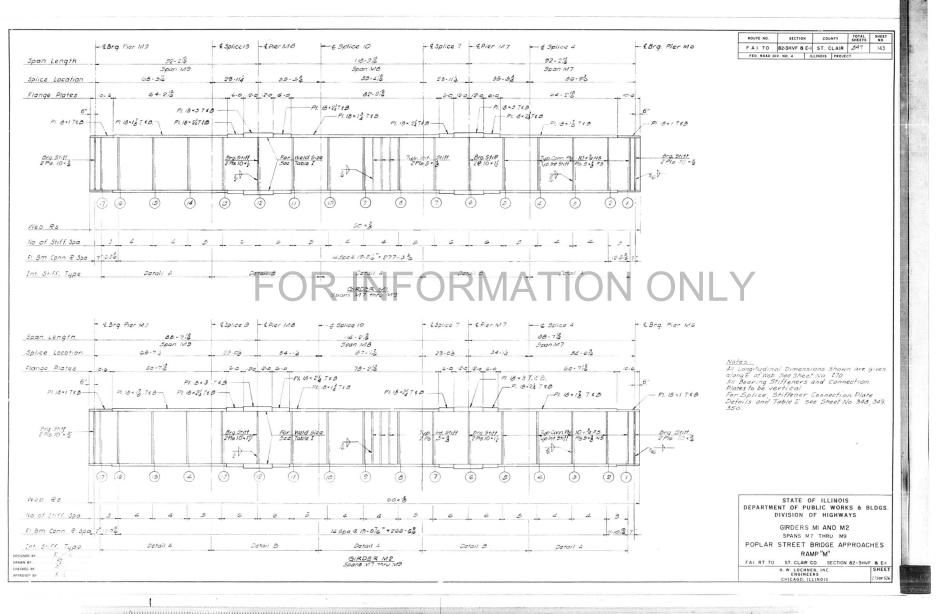


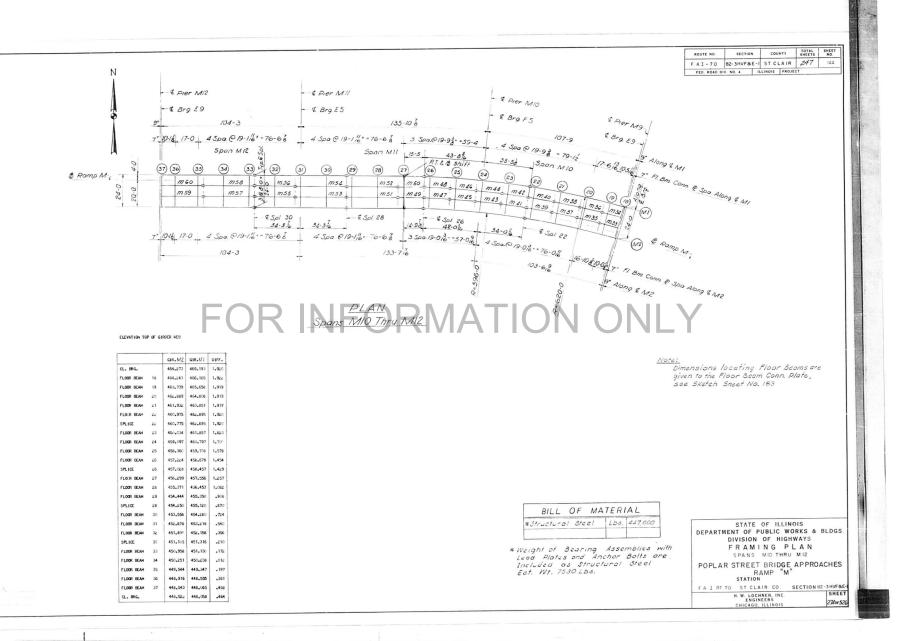


,



 $\begin{bmatrix} 0 & 1 & 2 \\ 0 & 1 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 0 & 1 & 1 \end{bmatrix} =$





 $\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i$

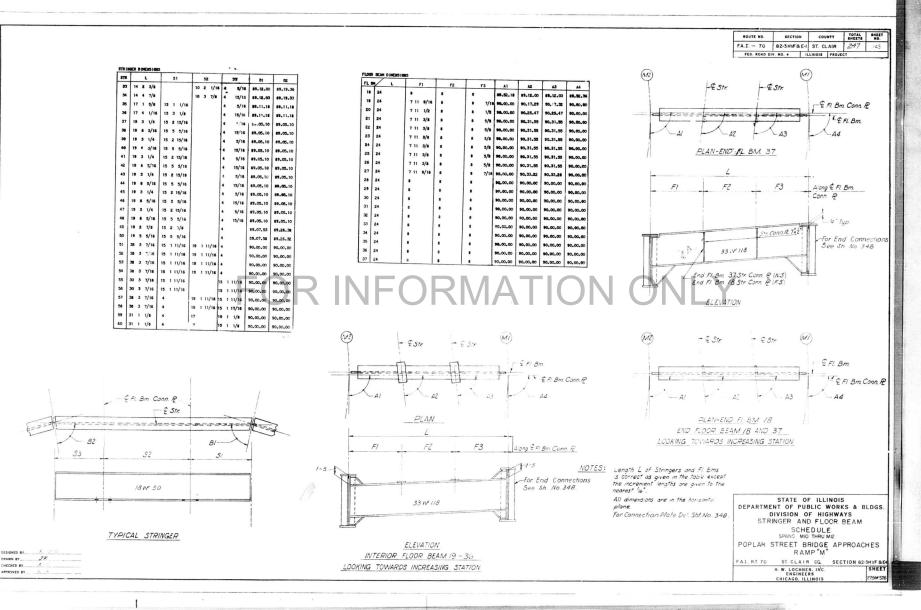
DESIGNED BY

DRAWN BY

CHECKED BY

JK

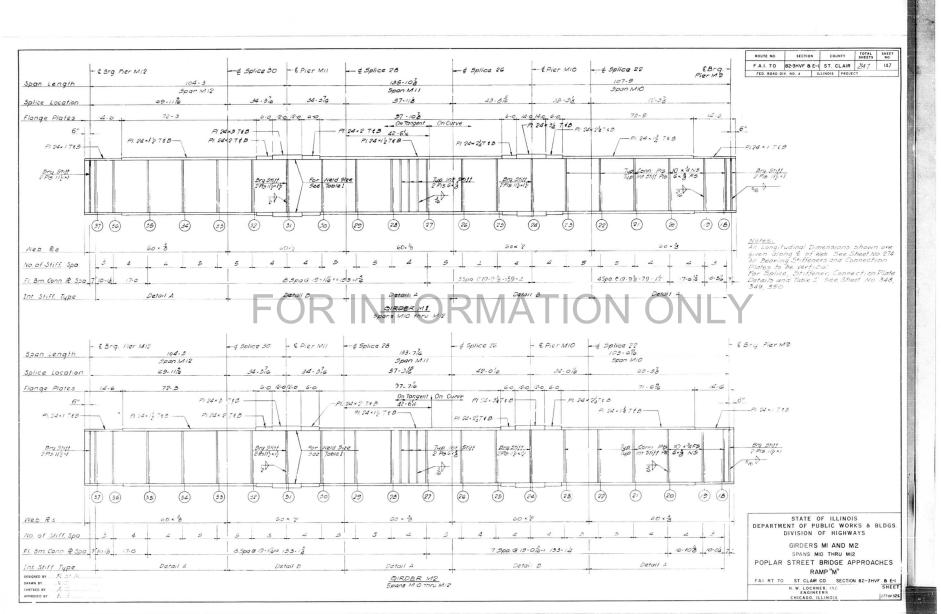
r

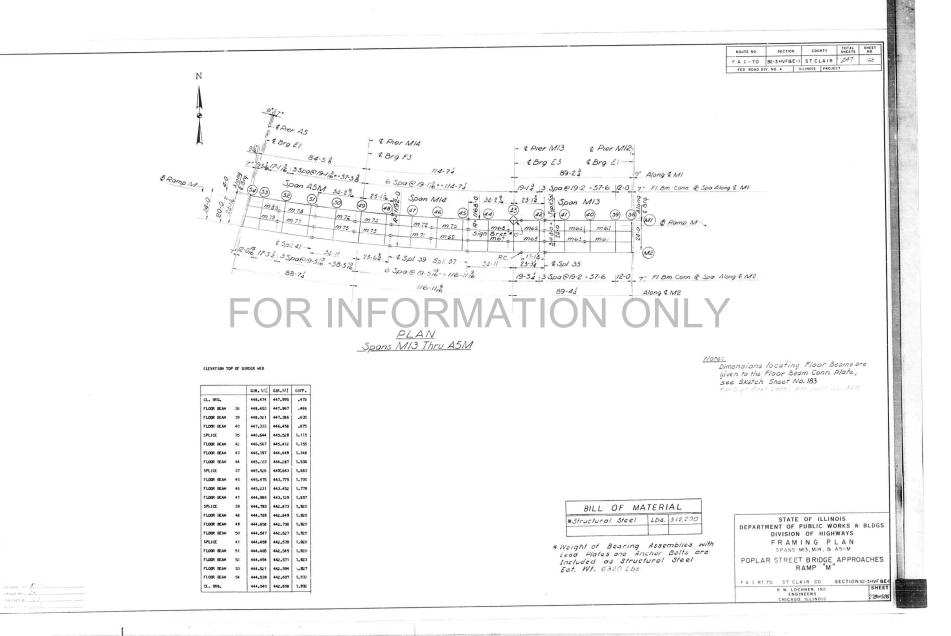


				ROUTE NO. SECTION COUNTY TOTAL SHILL SHILL F.A.I 7 0 82-3HVF.8E-I ST. CLAIR 24.7 I- FED. ROAD DIV. NO. 4 ILLINOIS PROJECT TEC.
		FLOOP (F6M) 26 T1 T2 T3 T4 STR		Use & # # H.S. Bolls
FLOOR BEAM 19 "TR. 33 34	T1 T2 T3 T4 2 1/8 1 1/2 1 3/8 2 1/16 1 1/2 1 7/16	PLOOP IZCH 27 T1 T2 T3 T4 STR-	PLOSE BC/H 25 T1 T2 T1 T2 cm. 59 1 11/16 1 2/4 17/16 0 6° 1 11/16 1 2/2 10/16 1 + +	1
FLOOR BEAM 20 STR. 35 36	T1 T2 T3 T4 z 1/0 1 1/2 1 3/8 z 1/16 1 1/2 1 7/16	FLOOR RDM 28 T1 T2 T3 T4 STR- 1/2 1/2 1/2 1/2 1/2 1/2 1/2 <t< td=""><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td><td>END VIEW</td></t<>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	END VIEW
FLOOR BEAM 21 STR. 37 38	T1 T2 T3 T4 2 1/8 1 1/2 1 3/8 2 1/16 1 1/2 1 7/16	FLOOD RGM 29 T1 T2 T3 T4 STR	ORMATION ONL	- ¢ fl. Bm.
FLOOR BEAM 22 STR. 39 40	T1 T2 T3 T4 2 1/8 1 1/2 1 3/8 2 1/16 1 1/2 1 7/16	PLOPE RSGN 30 T1 T2 T3 T4 STP-		SIDE VIEW
FLOOR HEAM 23 STR. 41 42	T1 T2 T3 T4 2 1/16 1 1/2 1 7/16 2 1/16 1 9/16 15/16 3/8	PLOOR.0004 31 T1 T2 T3 T4 578. .	<u>ISOMETRIC_VIEW</u>	SHIM DETAIL
PLOOR DEAM 24 5TR. 43 44	T1 T2 T3 T4 2 1/16 1 9/16 15/16 7/16 2 1/16 1 9/16 15/16 7/15	PLOOR INDEX 20 T1 T2 T3 T4 STR+	Shim thickne. are orientated	88 fl, f2, f3 & f4 shown in the Table I with the Plan View shown above.
FLOOR BEAM 25 STR. 45 46	T1 T2 T3 T4 2 1/16 1 9/16 15/16 7/16 2 1/16 1 9/16 15/16 7/16	PLOOP BOAR 33 T1 T2 T3 T4 STR .		STATE OF ILLINOIS
2, 2 s. A 4 z A				DEPARTMENT OF PUBLIC WORKS & BLDC DIVISION OF HIGHWAYS STRINGER SHIMS POPLAR STREET BRIDGE APPROACHE RAMP "M" FAI RT 70 ST CLAIR CO SECTION 82-3MF H. W. LOOMER. INC. STR CHICAGO. ILLINGIS STR

hy manufactura to the test of test









STRINGER DIMENSION

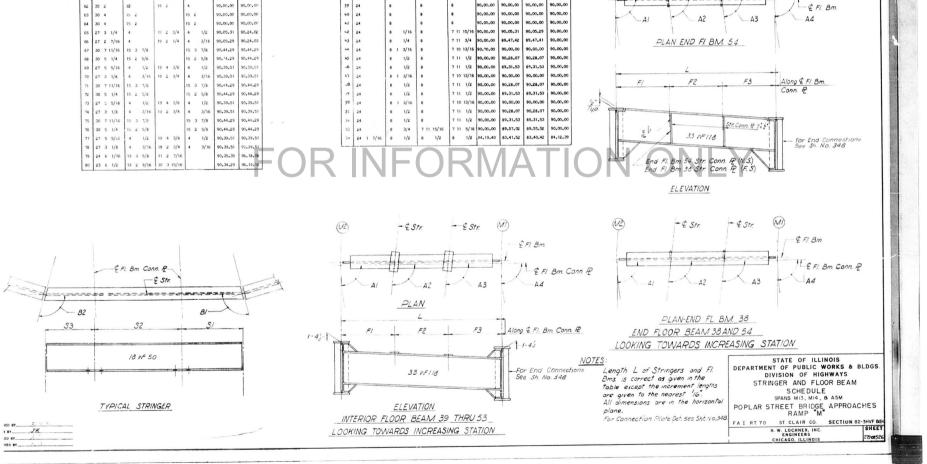
61 35 2

81 82

90.00.00

\$3

19 2



A1 A2 A3

90.00.00 90.00.00 90.00.00 90.00.00

LOOR BEAM DIMENSION

18

 ROUTE NO.
 SECTION
 COUNTY
 FILTS
 SUFER

 FA I - 7 0
 82-3HVF BE-I
 ST. CLAIR
 247
 143

 FED. ROAD DIV. NO. 4
 ILLINDIS
 PROJECT
 11
 11
 11
 11

¢ FI. Bm. Conn. P.

MI

- Estr.

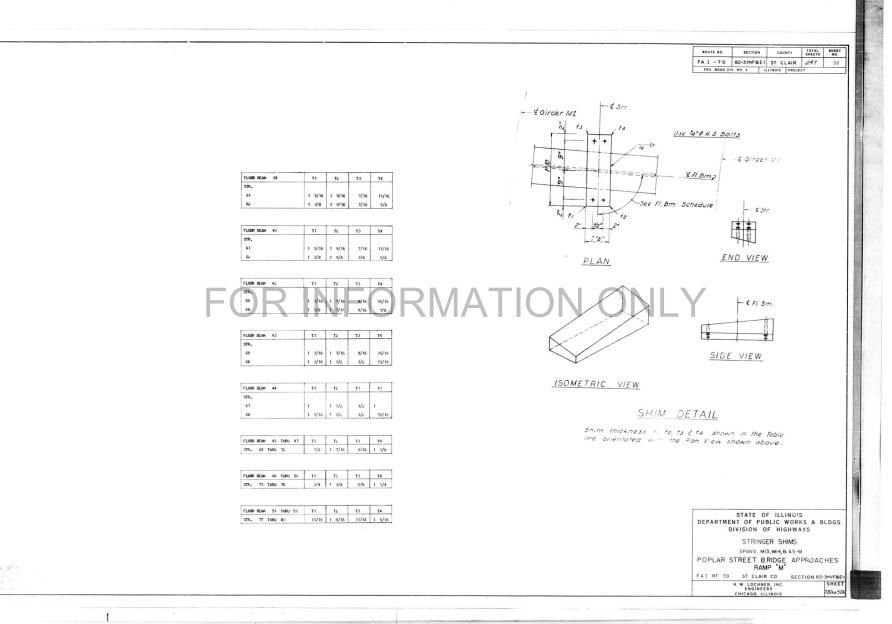
(MZ)

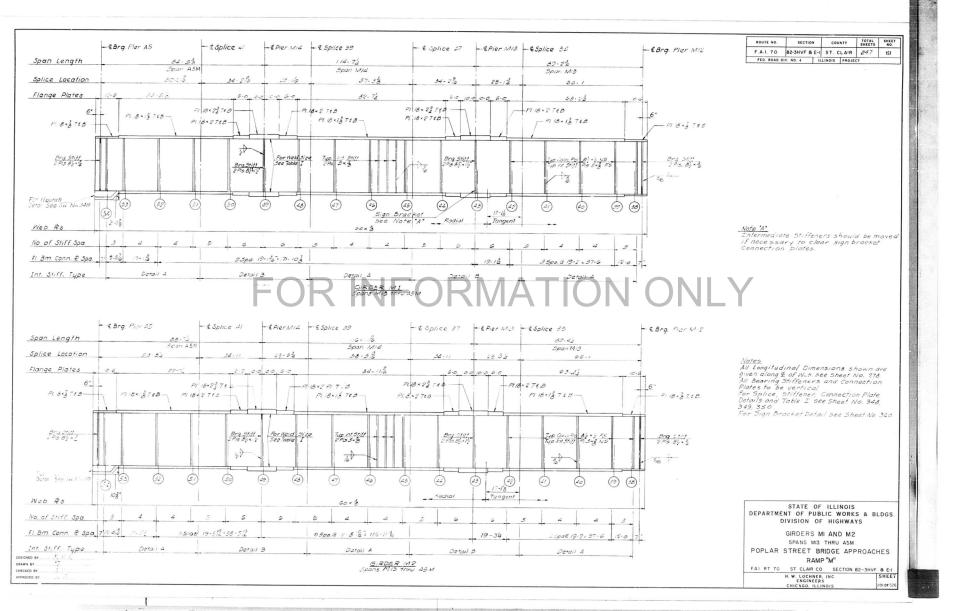
- EStr.

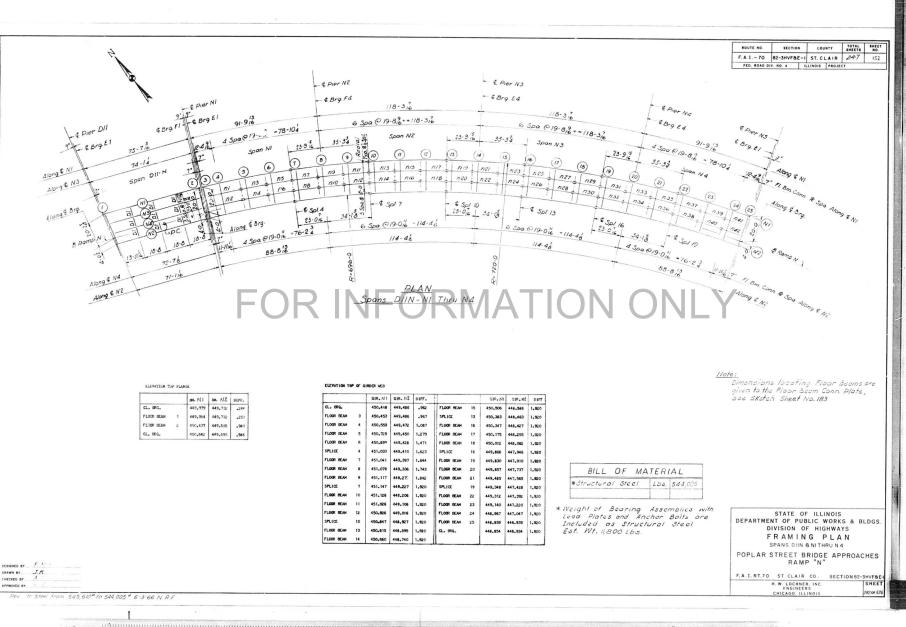
DESIGNED BY

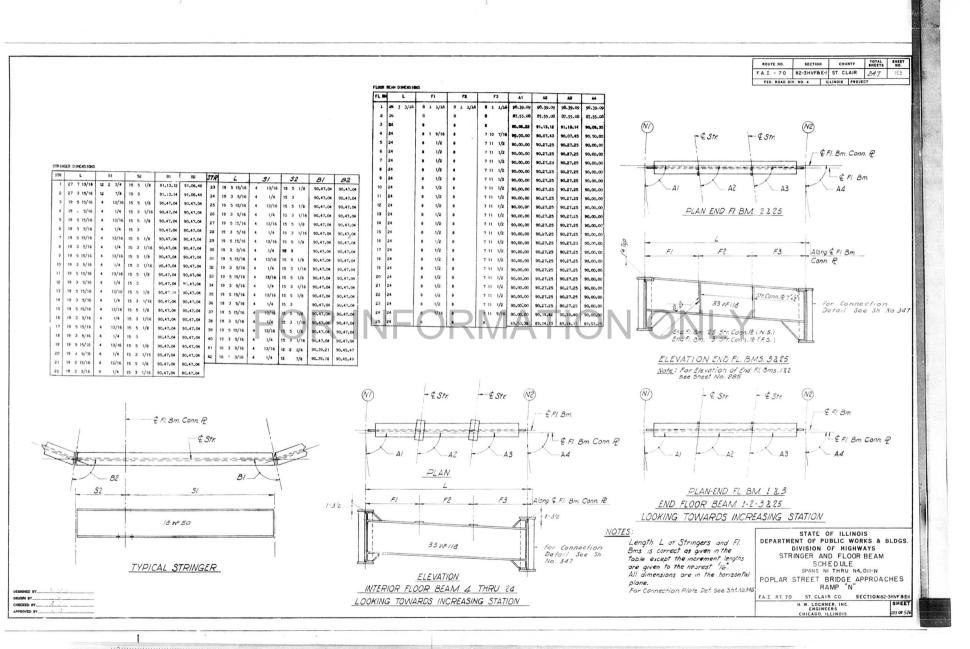
APPROVED BY

DRAWN BY.

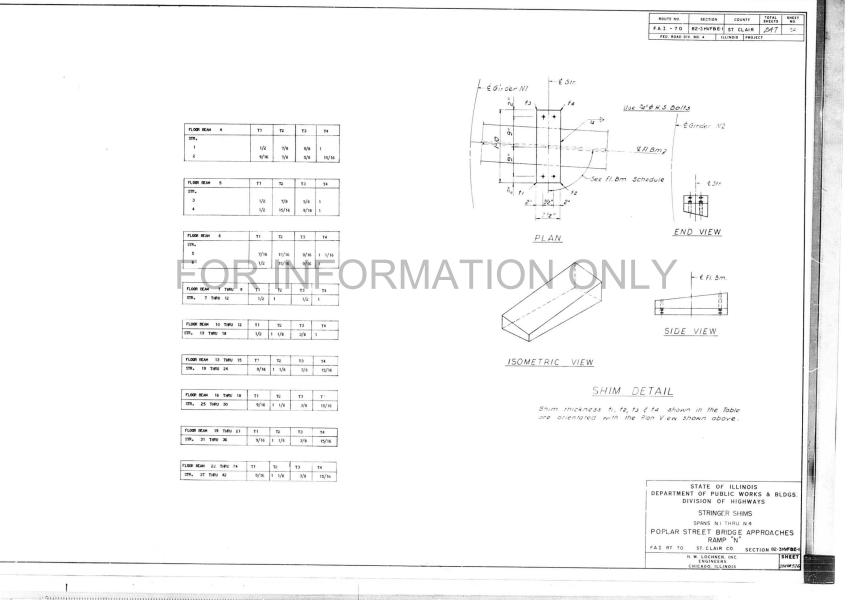


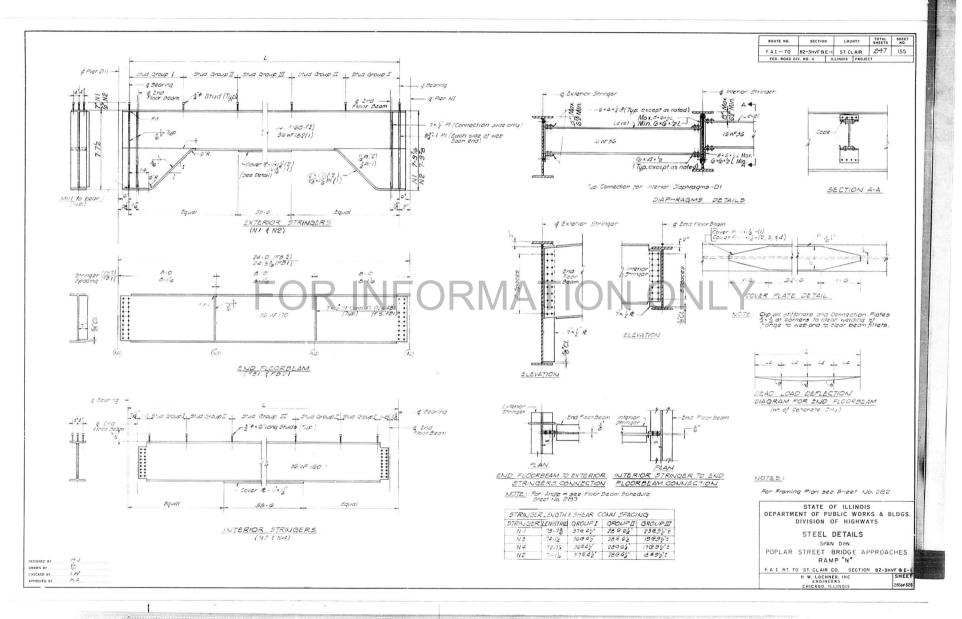


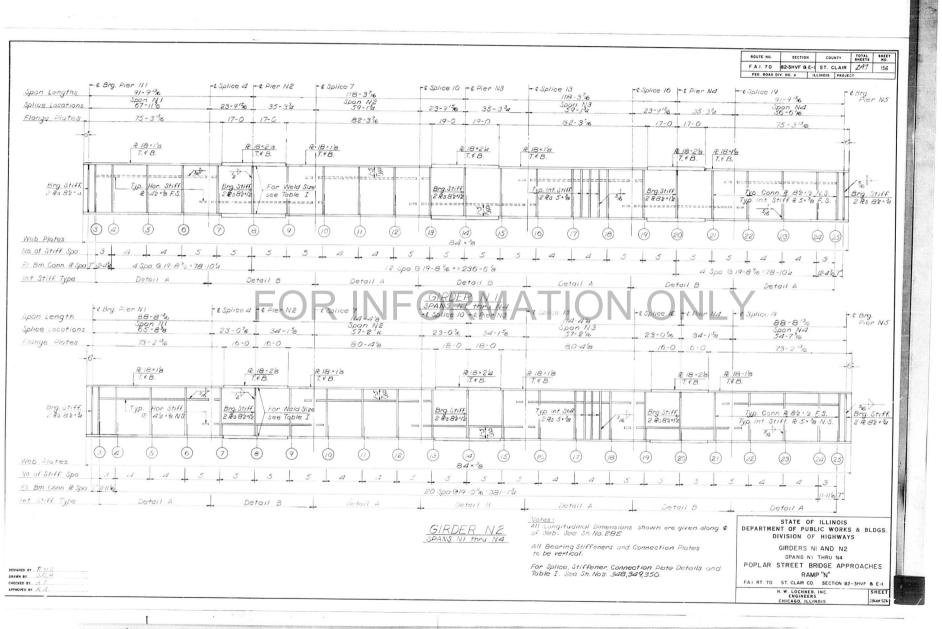




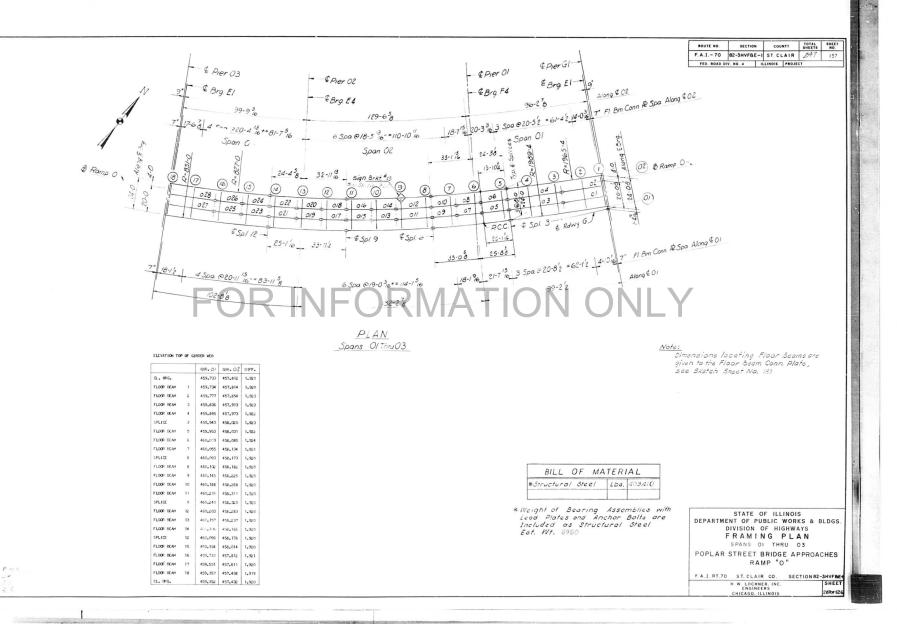
ED BY_____F_____F







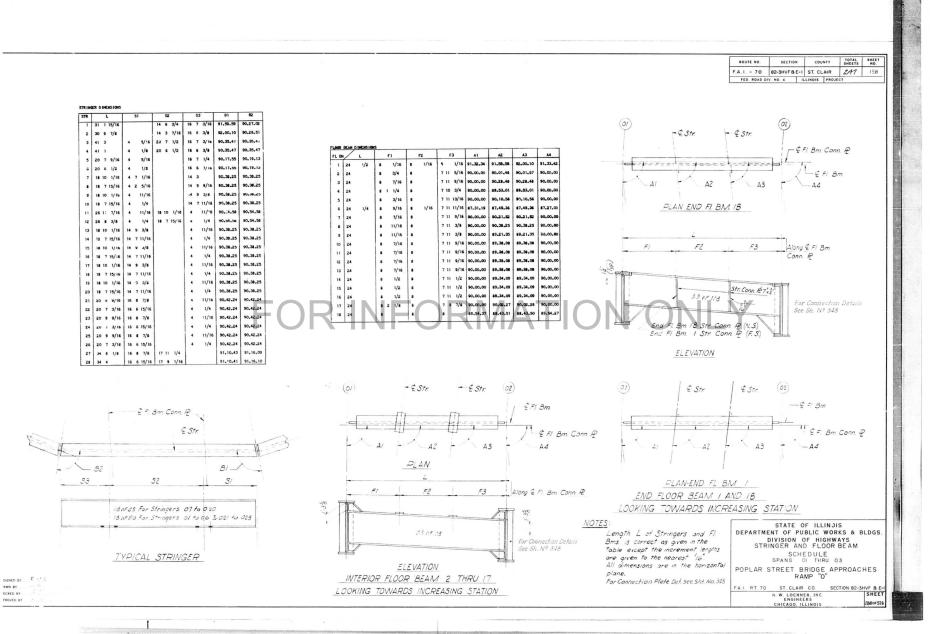
L

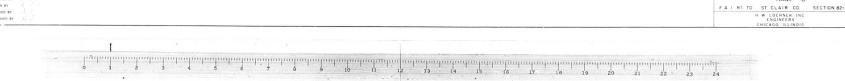


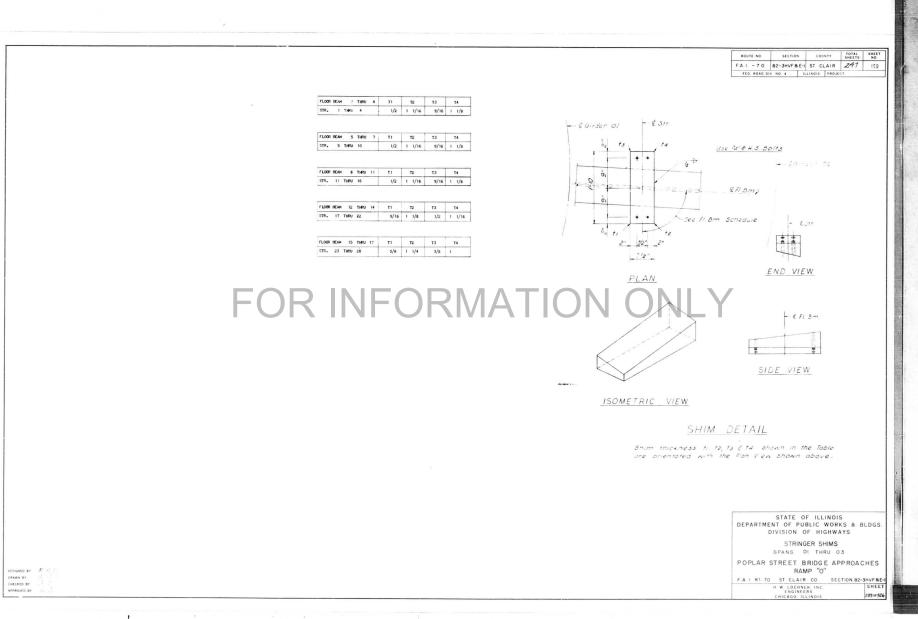
DESIGNED BY

CHECKED BY

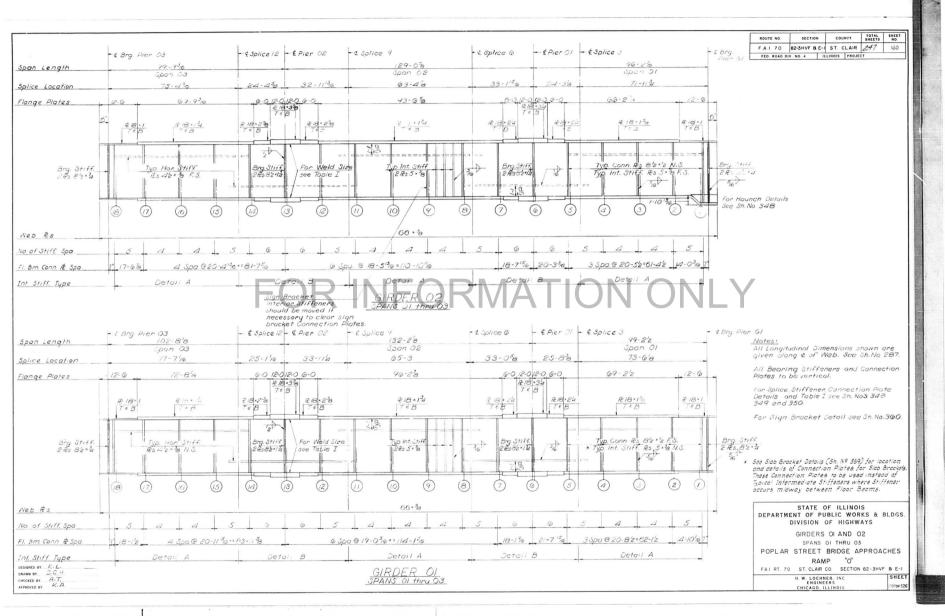
DRAWN BY

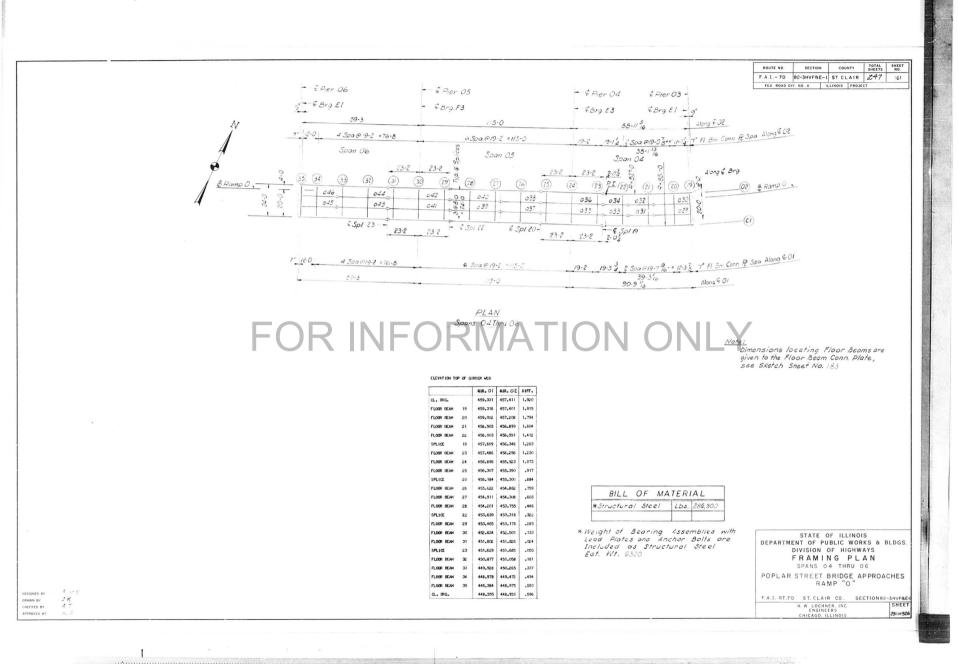


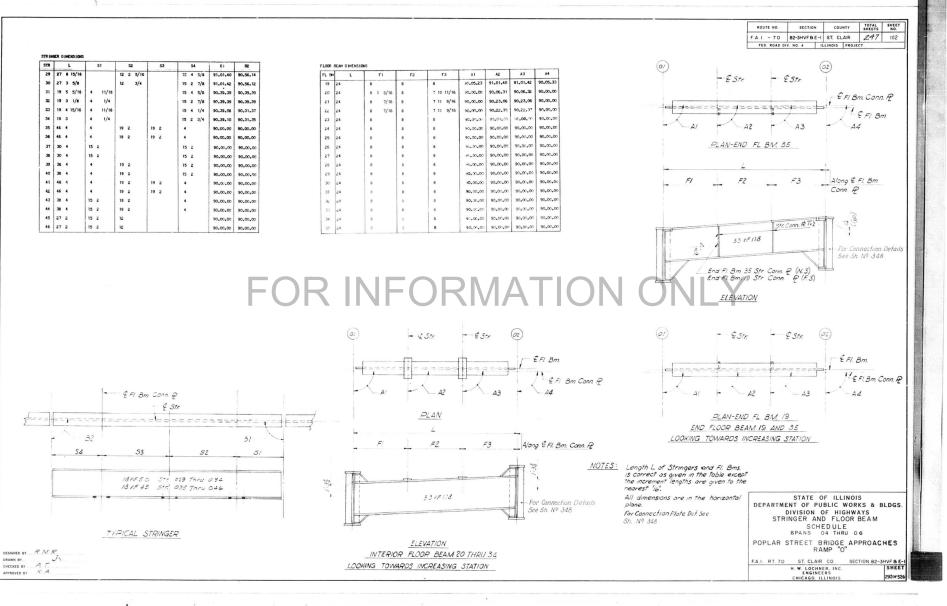




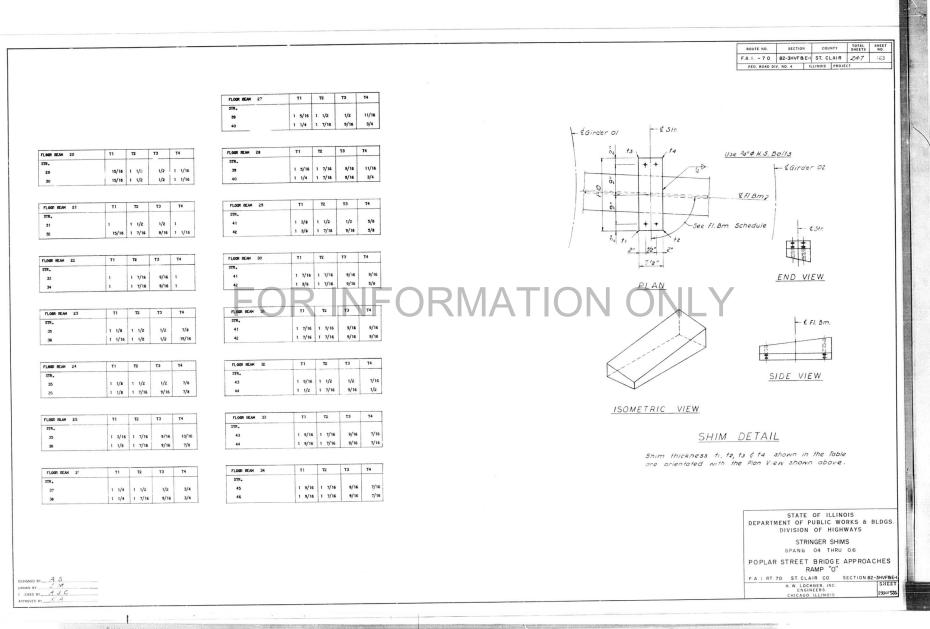
.....



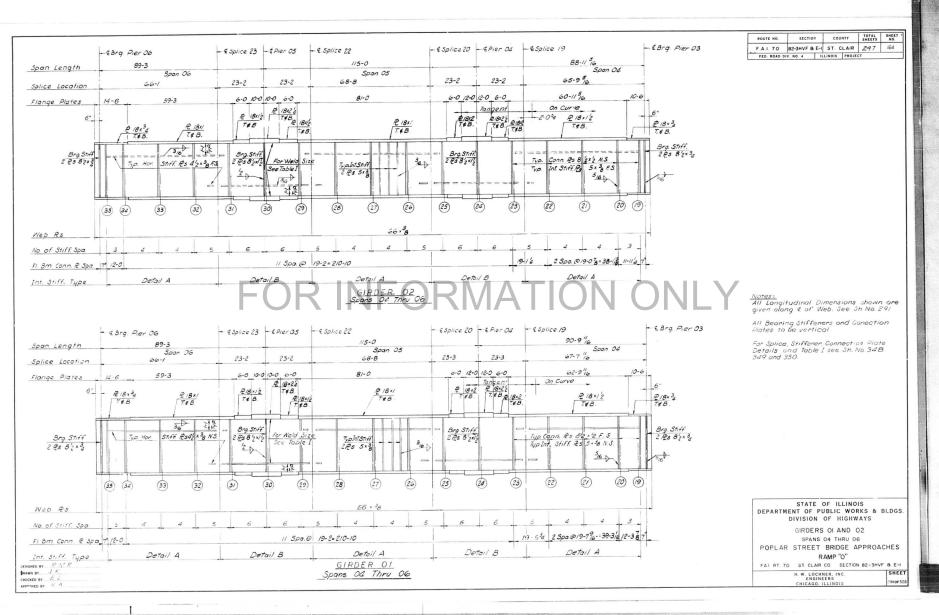




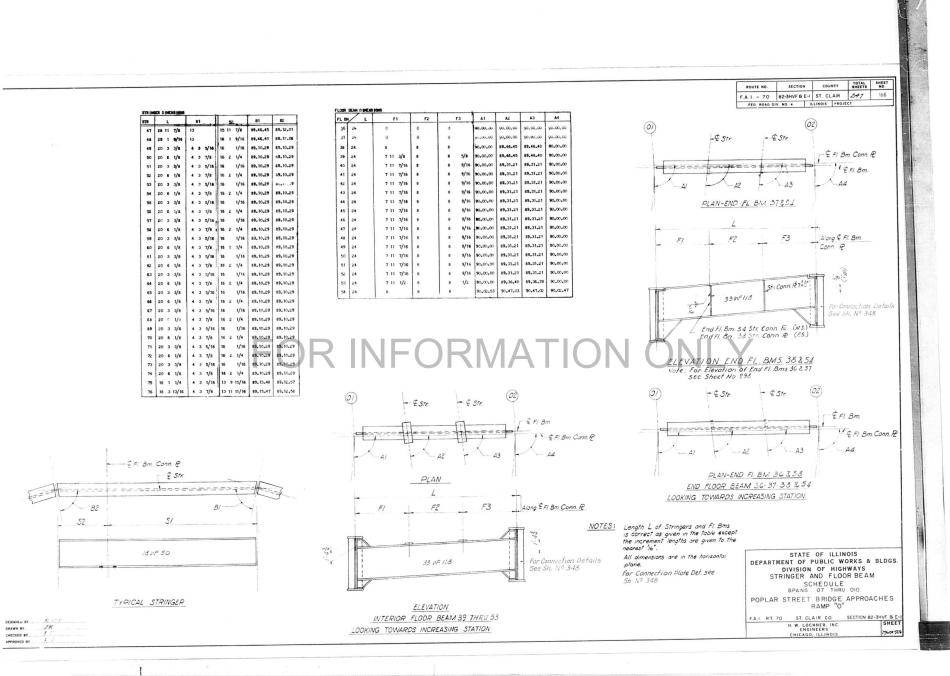
 $\begin{bmatrix} 1 & 1 & 1 \\ 0 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 0 & 1 & 1 \end{bmatrix} =$

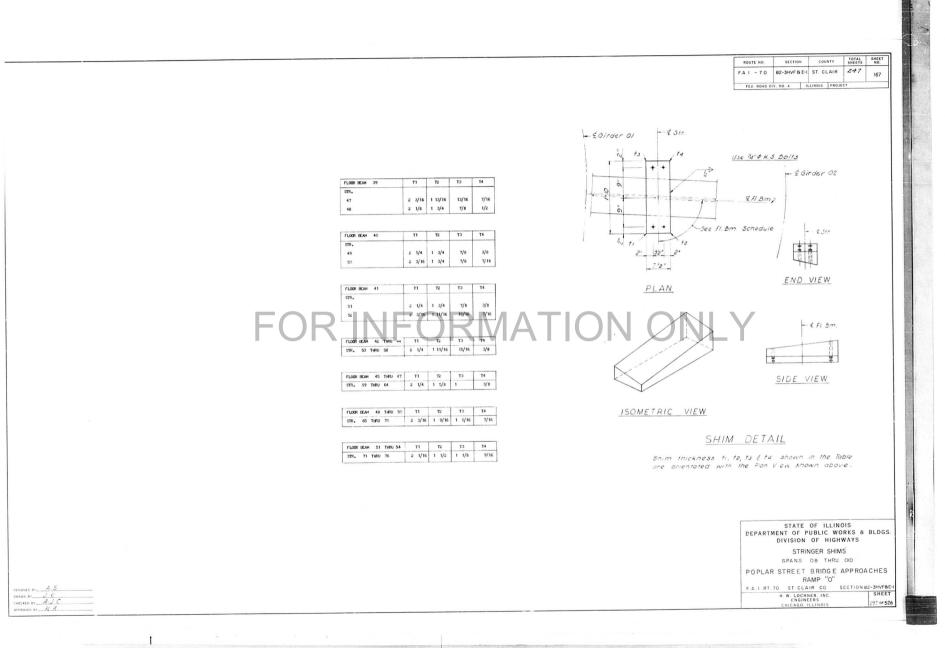


-

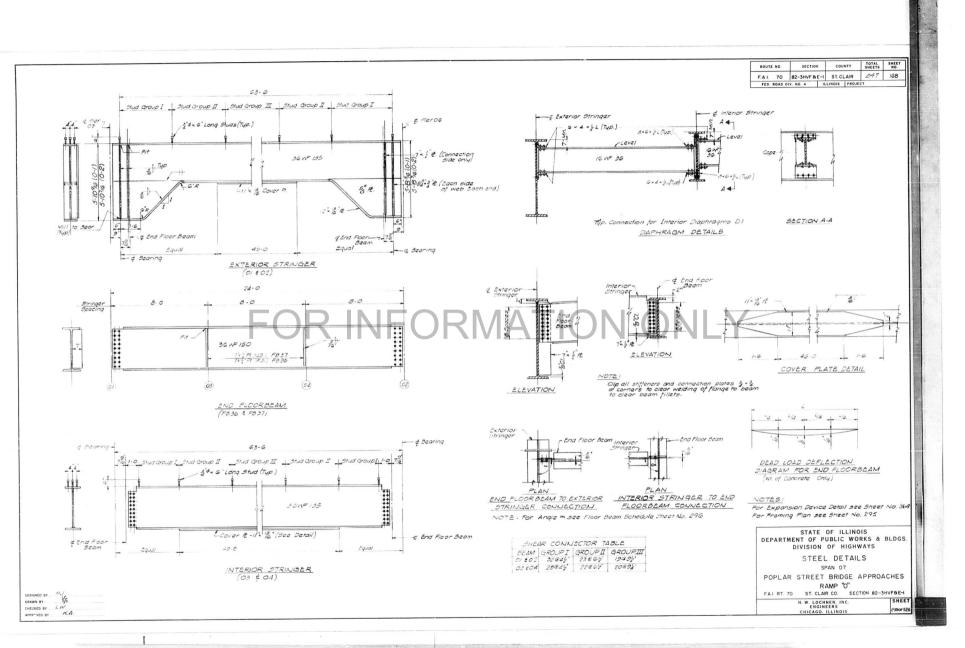


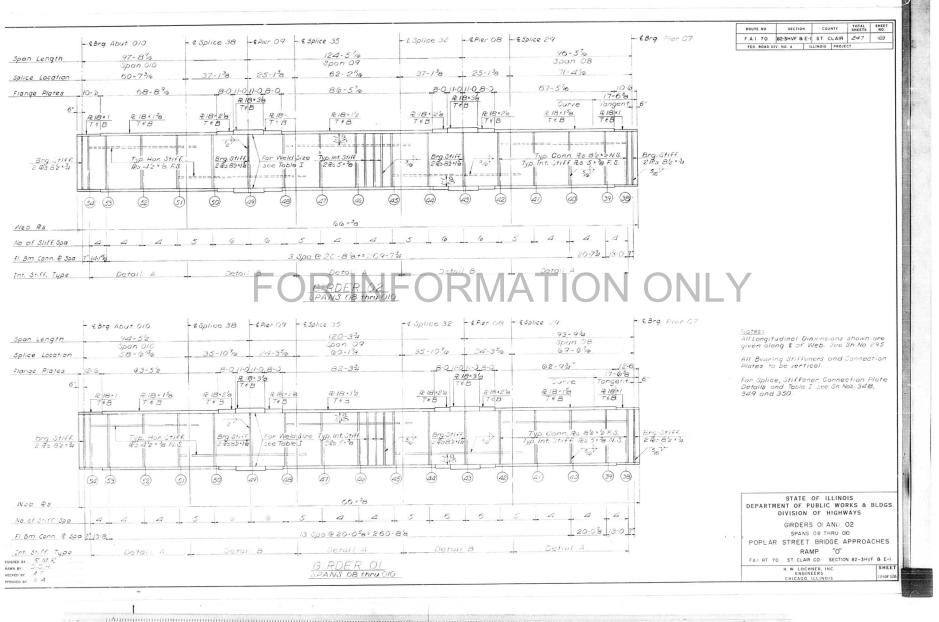
ALCON 200 100 100 100 100 100 100 100 100 100	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Shi Conn & Soo Along & O2
FOF	Spans OT Thru OIO ELEVATION 10° 0" GUICON VEB IIII.00 IIII.00 IIII.00 IIII.00 CL. 986. 444.057 445.716 1.140 III.00 IIII.00 FLOOR IDEW 30 444.053 445.064 444.075 1.250 III.60 FLOOR IDEW 40 444.053 445.064 444.075 1.450 III.60 FLOOR IDEW 41 444.075 444.81 1.460 III.600 IIII.600 III.600 III.600 III.600 III.600 III.600 III.600 III.600 III.600 IIII.600 IIII.600 IIII.600 IIII.600 IIII.600 IIII.600 IIII.600 IIII.600 IIIII.600 IIIIII.600 IIIII.600 <td< th=""><th>BILL OF MATERIA</th><th>.69 .68 1.123 1.125</th></td<>	BILL OF MATERIA	.69 .68 1.123 1.125
Now the the second sec	Lock Educt 45 43,61 43,72 1,200 Lock Educt 43,82 45,733 1,820 FLORE Educt 44,82 45,653 1,820 SPLICE 35 427,755 434,675 1,820 FLORE Educt 44 422,755 434,675 1,820 FLORE Educt 45 43,649 1,820 FLORE Educt 36 424,675 431,695 1,820 FLORE Educt 36 424,676 431,695 1,820 FLORE Educt 32 424,676 431,695 1,820 FLORE Educt 32 424,676 431,695 1,820 FLORE Educt 324,626 1,820 1,200 1,200 FLORE Educt 324,627 43,642 1,200 1,200	*Structural Steel Lbs. *Weight of Bearing Assem Lead Plotes and Anchor B Included as Structural & Est. W1. 9140 (bs.	blies with STATE OF ILLINOIS



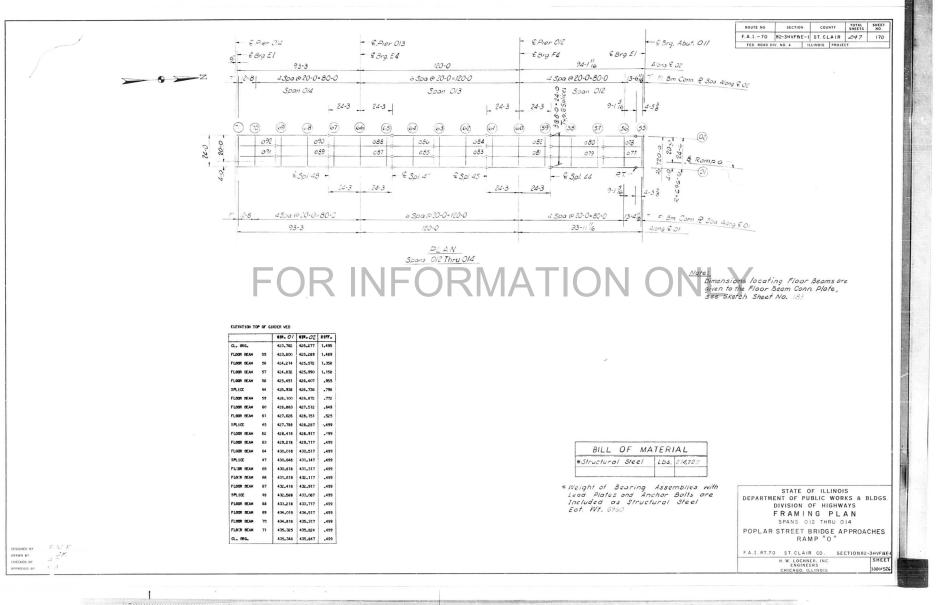


, in the second second





 $\begin{bmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 6 & 9 & 10 & 11 \\ 1 & 1 & 1 & 1 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22 & 23 & 24 \\ \end{bmatrix}$



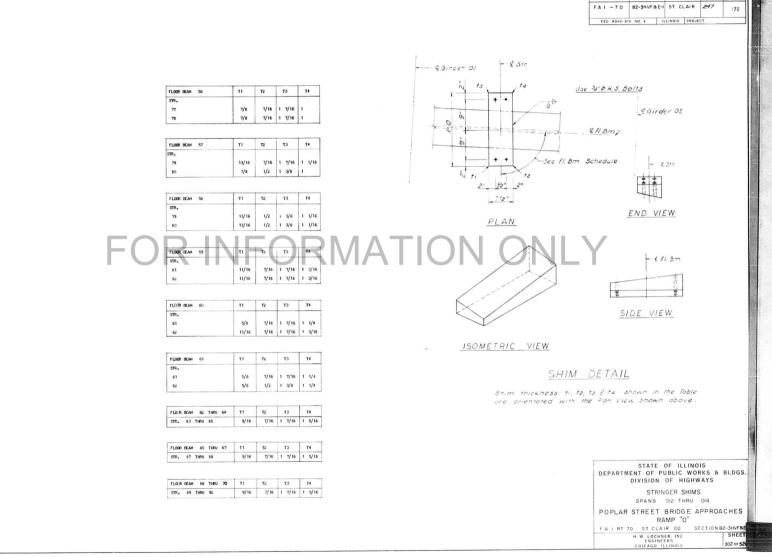
																		F	A.I 70 82-3H	IVF & E-II ST	CLAIR 247	171
STR HIGER DIHENSIONS					7100	R BEAM DIMENSION	5												FED. ROAD DIV. NO. 4			
STR L S1	52 53	54	51	82	FL		F1	F2	F3	A1		13 M										
77 29 2 5/16	13 5 5/18	15 9		9.58.26		24	8	8	8			37.34 89.57.13 01.36 90.00.00			(51)				(02)		
78 29 3	13 6	15 9		19.58.24		24	7 11 15/16	8	8 1/16	10000000	10000000000000000000000000000000000000	01.36 90.00.00 00.00 90.00.00				T	_	É Str	- Estr	Ť		
79 40 4 3	20	15 9		0.00.00	10.00	24	8	8	8			00.00 90.00.00						2000	20///			
80 40 4 3 81 48 5 4 3	20 20	4 3		0.00.00		24	8		8	90.00.00	90.00.00	00.00 90.00.00					1				E Fl. Bm. Co	onn. P
82 48 6 4 3	20 20	4 3		0.00.00	60	24	8	8	8			00.00.00 00.00							a a transfer	seent'	110	
83 40 15 9	20	4 3	90.00.00 9	90.00.00		24	8	8	8			00.00 90.00.00				7	U	$\overline{\boldsymbol{\lambda}}$	ľ X		LE FI	Bm.
84 40 15 9	20	4 3		0.00.00		24	8	8	8			0.00 90.00.00					A/ -	-A2	- A.	3 -	-44	
85 31 6 15 9		15 9 15 9		90.00.00		24	8	8	8			00.00 90.00.00					-	111 510	CI 011 71			
85 31 6 15 9 87 48 6 4 3	20 20	4 3		90.00.00		24	8		8	1 1		00.00 90.00.00					PLA	410-2110 1	FL. BM. 71			
87 48 6 4 3	20 20	4 3		90.00.00		24	8	8		90.00.00	90.00.00 90.	00.00 90.00.00										
19 40 15 9	20	4 3		90.00.00		24	8	8	8		S & B & B	00.00 90.00.00				-		4				
90 40 15 9	20	4 3		90.00.00		24	8	8	8		0.0000000000000000000000000000000000000	00.00 90.00.00				1	7	F2	F3		Along & Fl. Bi	m
91 28 5 15 9	12 8		1	90.00.00		24	8	8	8			00.00 90.00.00 00.00 90.00.00									Conn. R	
92 28 5 15 9	12 8	1	90.00.00	90.00.00	70	24	8	8	8			00.00 90.00.00										
						-							1								R db	
															-	-			Str. Conn	e7.2	200	
															T		1	33 W= 1			-For Connect	han Nataria
																	30	33 W-1		1	See Sh. Nº	348
																1	16/1		1			
																	End	FI 8m 71	Str. Conn. P. (N Str. Conn. P.	v. 5)	4	
				_												L.	End	FI. Bm. 55	Str Conn. P	(F. S.)		
																			L			
										D	ΝЛ			$\mathcal{N}\mathcal{N}$								
				F(DF	२	IN	IF	\bigcirc	R	M	A1	ГІС	٦C	ĺ	\mathbb{D}		ÊLEVATIO				
				F(OF	R	IN	IF	0	R	M	A1	ΓΙΟ			D						
				FC	OF			IF	0	R		_	ΓΙΟ	10	ן (N	<u>ÈLEVATIO</u>	<u>v</u>)	
				FC	OF	R @			Q ¢ Str.	R		A1 @	ΓΙΟ	10		اC ب	N)	
				F	OF							_	ΓΙΟ	10			N	<u>ÈLEVATIO</u>	<u>v</u>			
				F	OF							_		10			N	<u>ÈLEVATIO</u>	<u>v</u>) € Fl. Bm.	
				FC	OF							22	дт	10			N	<u>ÈLEVATIO</u>	<u>v</u>		€ Fl. Bm.	in Cose F
				F	OF							22		10) ()	N	<u>е́levaтio</u> © Str.	<u>v</u> ¢ sr		€ Fl. Bm.	Bm. Conn. Æ
			F	F	OF							22	дт	DN _{a t}			N	<u>ÈLEVATIO</u>	<u>v</u> ¢ sr		€ Fl. Bm.	Bm. Conn. Æ
-				FC	OF							22	дт				N	<u>е́levaтio</u> © Str.	<u>v</u> ¢ sr		€ Fl. Bm.	Bm. Conn. Æ
	& St.	r										22	дт					<u>еле</u> vaтio © 5%	<u>v</u> ¢ sr		€ Fl. Bm.	am, Conn. P
* =	& St.	r							- & Sm - 42			22	дт	DN n ŧ			N E	ELEVATIO ESTR A	<u>v</u> - ¢sr 2 -		€ Fl. Bm.	àm, Conn, Æ
12-1-	& St.	r	2 2 2 1 1 2						- \$ 57. - 42 - A2 	e.	Str. (ðm F/ 8m Conn t	to to				ELEVATIO ESTR ALAN-END DOOR BEAM	<u>v</u> - ¢ sr 2 - ¢ z	r. Oz A3	€ Fl. Bm.	3m. Conn. E
- 32	£ 57.	r -= = = = = =		5/					- & Sm - 42	e.			дт	to to				ELEVATIO ESTR ALAN-END DOOR BEAM	V - ESF 2 - ESF 	r. Oz A3	€ Fl. Bm.	im, Conn. P
12-1-	& St.	r							- \$ 57. - 42 - A2 	e.	Str. (3m. ? F/ 8m. Conn 4 7. 8m. Conn. 4	2			AI END FLCC	ELEVATIO ESTR AN-END DOR BEAN ARDS INC	V - ESF 2 - ESF 	r. Oz A3	€ Fl. Bm.	im, Conn. P
- 32	£ 57.	r -= = = = = =		5/					- \$ 57. - 42 - A2 	e.	Str. (3m. ? F/ 8m. Conn 4 7. 8m. Conn. 4	2 NOTES:	Length L	LOO:	AI END FLOO KING TOW Parrs and P	ELEVATIO Sir A AN-END DOR BEAM JAN-SINC 57. Bms.	V - ESF 2 - ESF 	r. Oz A3	€ Fl. Bm.	am. Conn. P
- 32	£ 57.	r -= = = = = =		5/		(- \$ 57. - 42 - A2 	e.	Str. (3m. ? F/ 8m. Conn 4 7. 8m. Conn. 4	2 NOTES:	Length L is correct	LOO,	AI END FLCC	ELEVATIO ESTR AN-END DOR BEAM JARDS INC FI. Bms.	V - ESF 2 - ESF 	r. Oz A3	€ Fl. Bm.	im, Conn, P
	£ 57.	r = = = = = 52		5/		(\$ 57 A2 <u>PLAN</u> L F2	- £.	Str. (2) EFIE Along EFI	ðm. 1 8m Conn 1 1. 8m. Conn. 4 2	2 NOTES:	Length L is correct the increm	LOO, of String as giver ent lengt	AI END FLCC END FLCC AIMG TOW gers and A for the fab	ELEVATIO	V - & Sr - & Sr & Sr 	A3	€ FI. Bm V€ FI.B. Ad	Sm. Conn. P
- 32	- ę 3%	r = = = = = 52 0		5/					- \$ 57. - 42 - A2 	- £.	Str. (2) EFIE Adong EFI For Co	3m fr Bm Conn f 11 <u>Bm. Conn. A</u> 	2 <u>NOTES:</u>	Length L is correct the increm	LOO, of String as giver ent lengt	AI END FLC END FLC AI END FLC D an the Tab	ELEVATIO	- £ SI - £ SI £ SI 	A3 TATE OF PUB	EFI. Bm VEFIB -Ad	& BLDGS
- 32	\$ 51 	r = = = = = 52 0		3/ 3/		(\$ 57 A2 <u>PLAN</u> L F2	- £.	Str. (2) EFIE Adong EFI For Co	ðm. 1 8m Conn 1 1. 8m. Conn. 4 2	2 <u>NOTES:</u> tails	Length L is correct the increm nearest ¹¹ All dimen, plane, Far Conne	LOO! of String of String of given ent lengt sions ore ction Plai	AI END FLC END FLC IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS	ELEVATIO	FL BM 55 A 55 AND 7/ DREASING STAT	A3	EFI. Bm VEFIB Ad	& BLDGS
- 32	\$ 51 	r = = = = = 52 0		3/ 3/		(\$ 57 A2 <u>PLAN</u> L F2	- £.	Str. (2) EFIE Adong EFI For Co	3m fr Bm Conn f 11 <u>Bm. Conn. A</u> 	2 <u>NOTES:</u> tails	Length L is correct the increment nearest "In All dimen, plane.	LOO! of String of String of given ent lengt sions ore ction Plai	AI END FLC END FLC IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS	ELEVATIO	Y - EST - EST EST 	A3 TATE OF OF DOF OF DOF ER AND SCHEL	EFI. Bm HEFIB Ad ILLINOIS LIC WORKS FLOOR BEA DULE	& BLDGS
52	\$ 51 	r = = = = 52 0		3/ 3/		(\$ 57 A2 <u>PLAN</u> L F2	- £.	Str. (2) EFIE Adong EFI For Co	3m fr Bm Conn f 11 <u>Bm. Conn. A</u> 	2 <u>NOTES:</u> tails	Length L is correct the increm nearest ¹¹ All dimen, plane, Far Conne	LOO! of String of String of given ent lengt sions ore ction Plai	AI END FLC END FLC IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS	ELEVATIO	2 FL BM 55 A 55 AND 7/ REASING STAT DEPARTMENT DIVI STRING SP	A3 TON TATE OF PUB ISION OF ER AND SCHEI ANS OIZ	EFI. Bm / EFI.B. Ad ILLINOIS LIC WORKS FIGMWAYS FLOOR BEA DULE	& BLDGS A M
52	\$ 51 	r = = = = 52 0		3/ 3/		(\$ 57 A2 <u>PLAN</u> L F2	8	Str. (2) EFIE Adong EFI For Co	3m fr Bm Conn f 11 <u>Bm. Conn. A</u> 	2 <u>NOTES:</u> tails	Length L is correct the increm nearest ¹¹ All dimen, plane, Far Conne	LOO! of String of String of given ent lengt sions ore ction Plai	AI END FLC END FLC IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS	ELEVATIO	Y - EST - EST EST 	A3 TATE OF OF PUB ISION OF ER AND SCHEI SCHEI SCHEI	EFI. Bm / EFI.B. Ad ILLINOIS LIC WORKS FIGMWAYS FLOOR BEA DULE	& BLDGS 5 A M
52	\$ 51 	r = = = = 52 0		3/ 3/		(\$ 5% A2 <u>PLAN</u> L F2 33 W ^F //	8	57r (43 F3	2) EFIE Adong EFI For Co	3m fr Bm Conn f 11 <u>Bm. Conn. A</u> 	2 <u>NOTES:</u> tails	Length L is correct the increm nearest ¹¹ All dimen, plane, Far Conne	LOO! of String of String of given ent lengt sions ore ction Plai	AI END FLC END FLC IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS	ELEVATIO	Y S S S S S S S S S S S S S	A3 A3 TATE OF OF PUB ISION OF ER AND SCHEL SCHEL RAM	EFI. Bm HEFIB Ad ILLINOIS LIC WORKS FLOOR BEA DULE THRW 014 IDGE APPRO P "0"	& BLDGS A M DACHES 182-3HVF & E
52	\$ 51 	r = = = = 52 0		3/ 3/					- & STA - & STA - A2 	8 M 56 TH	57r (43 73	2) EFIE Adong EFI For Co	3m fr Bm Conn f 11 <u>Bm. Conn. A</u> 	2 <u>NOTES:</u> tails	Length L is correct the increm nearest ¹¹ All dimen, plane, Far Conne	LOO! of String of String of given ent lengt sions ore ction Plai	AI END FLC END FLC IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS IND THE TOS	ELEVATIO	Z FL BM 55 A 55 AND 7/ REASING STAT DEPARTMENT DIVI STRIC SP POPLAR STR FAL RT 70	A3 A3 TATE OF OF PUB ISION OF ER AND SCHEL SCHEL RAM	EFI. Bm / EFI.B. Ad ILLINOIS LIC WORKS FLOOR BEA DULE THRW OIA IDGE APPRC P '0' SECTION	& BLDGS SAM DACHES

DESIGNED BY R MAR

DRAWN BY

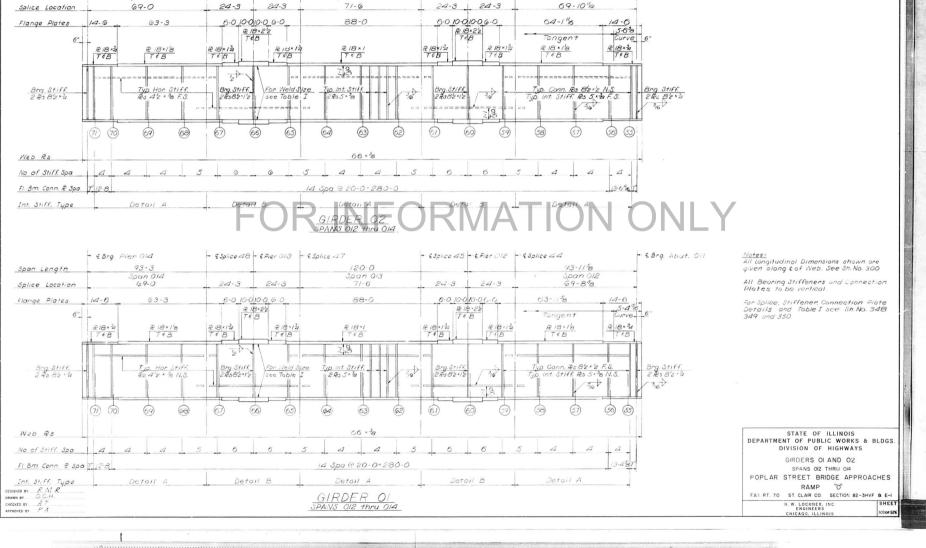
CHECKED BY

APPROVED BY P. ...



ROUTE NO.

SECTION COUNTY TOTAL SHEET NO.



- & Splice 48 - & Pier 013 - & Splice 47

- EBrg Pier 014

93-3

Span 014

Span Length

120-0

Span 013

+ & splice 45 - & Pier 012 - & Splice 44

92-116

Span OIZ

TOTAL SHEET SHEETS NO.

ROUTE NO.

- & Brg. Abut. OII

SECTION

FED. ROAD DIV. NO. 4 ILLINOIS PROJECT

COUNTY

F.A.I. 70 82-3HVF & E-I ST. CLAIR 247 173

FLOOR BEAM	2	470.903	468.982	1,921		- 7
FLOOR BEAM	3	471,174	469.254	1.920	Note:	
SPLICE	4	471.389	469.469	1.920	Dimensions locating Floor Beams	1
FLOOR BEAM	4	471.421	469.501	1.920	Plate. See sketch Sheet No. 183	1
FLOOR DEAM	5	471.575	469.655	1.920	Plate. See Sketch Sheet NO. 185	
FLOOR BEAM	6	471.717	469.797	1.920		
SPLICE	6	471.747	469.827	1.920		
FLOOR BEAM	7	471.763	469.843	1.926		
FLCOR DEAM	8	471.783	469.863	1.920		
FLOOR BEAM	9	471.803	469.883	1.920		
SPLICE	10	471.818	469.898	1.920		
FLOOR BEAM	10	471.797	469.877	1.920		
FLOOR BEAM	11	471.694	469.774	1.920		
FLOOR BEAM	12	471.583	469,663	1.920	BILL OF MATERIAL STATE OF ILLINOIS BILL OF MATERIAL	
SPLICE	12	471.550	469.640	1.920	DEPARTMENT OF POST WARMAN	
FLOOR BEAM	13	471.379	469.459	1.920	*Structural steel Lbs. 3/5,300 Division of Highwars	
FLOOR BEAM	14	471.151	469,231	1.920	SPANS P4 THRU P6	
FLOOF SEAH	15	470,959	469.039	1.920	A Weichi of Beacing Assemblies with POPLAR STREET BRIDGE APPROACHES	
ci. 386.		470.952	469.032	1.920	* Weight of Bearing Assemblies with POPLAR STREET BRIDGE APPROACHES	
					Lockded as Structural Steel	
					F.S.T. WI. 6960Lbs. F.A.I. RT.70 ST. CLAIR CO. SECTION 82-SHVPAL	ł
					H. W. LOCHNER, INC. ENGINEERS	-
					CHICAGO, ILLINOIS DOPONIZA	1
						1

ELEVATION TOP OF GIRDER WED

2

CL. BRG.

FLOOR BEAM FLOOR BEAM

DESIGNED BY RACK DRAWN BY DCH CHECKED BY A

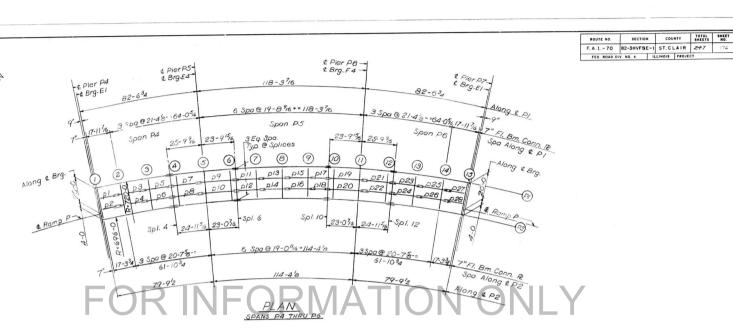
APPROVED BY

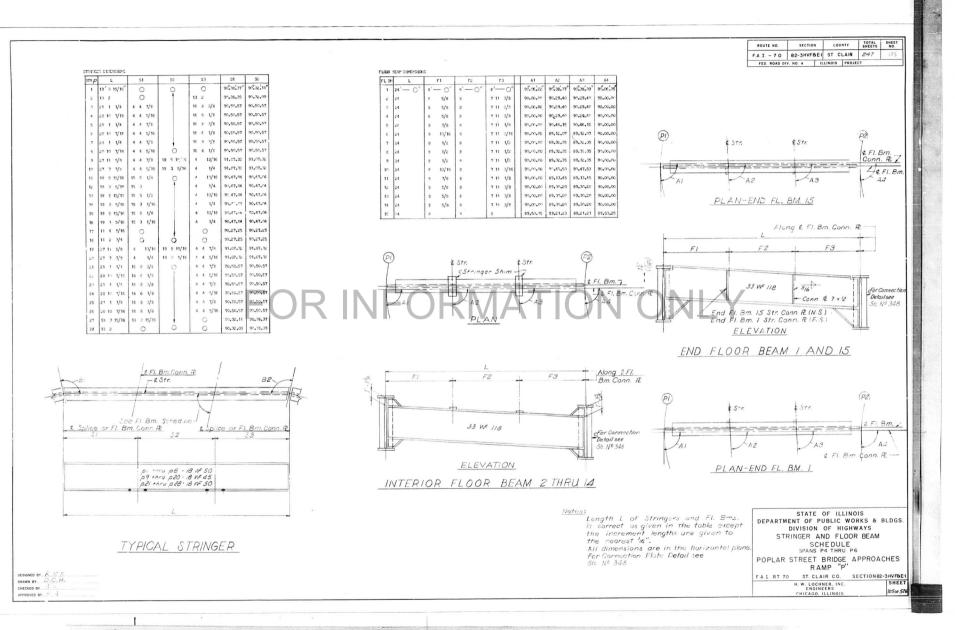
GIR. PI GIR. P2 DIFF. 470.667

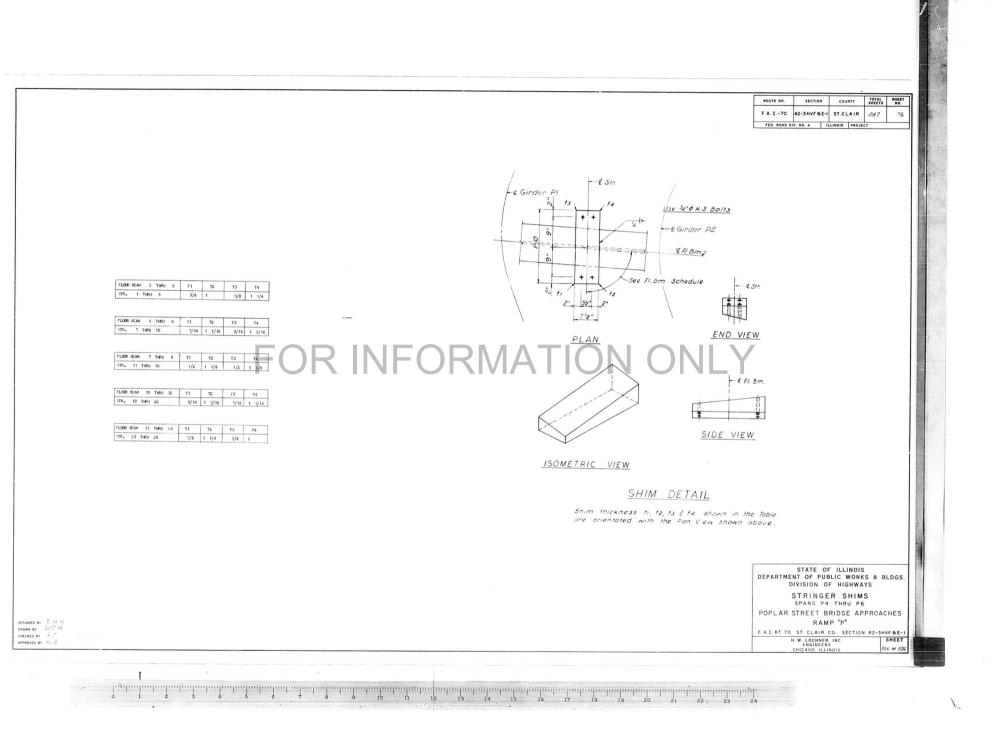
470.674 468.755 1.919

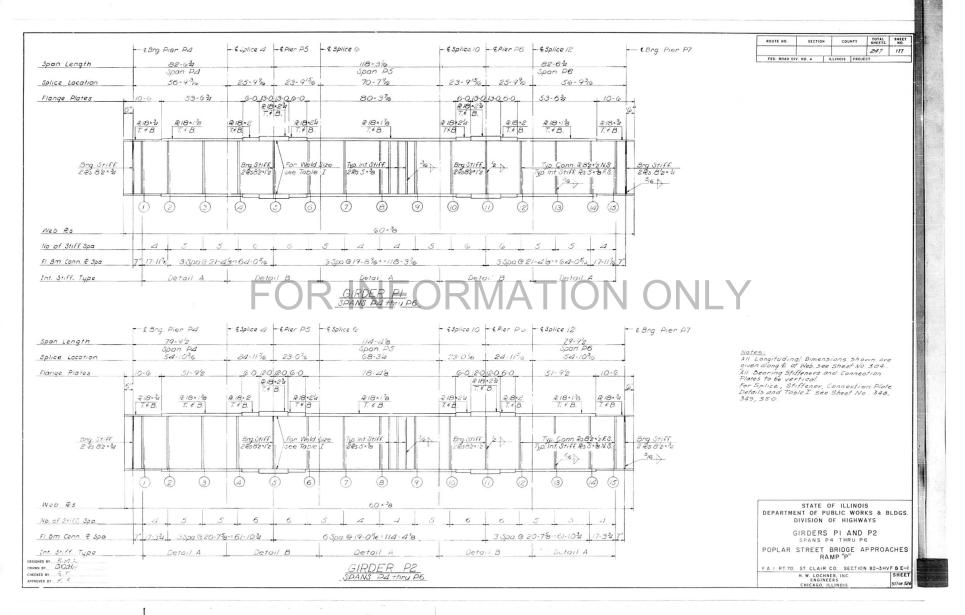
470.903 468.982 1.921

468.747 1.920



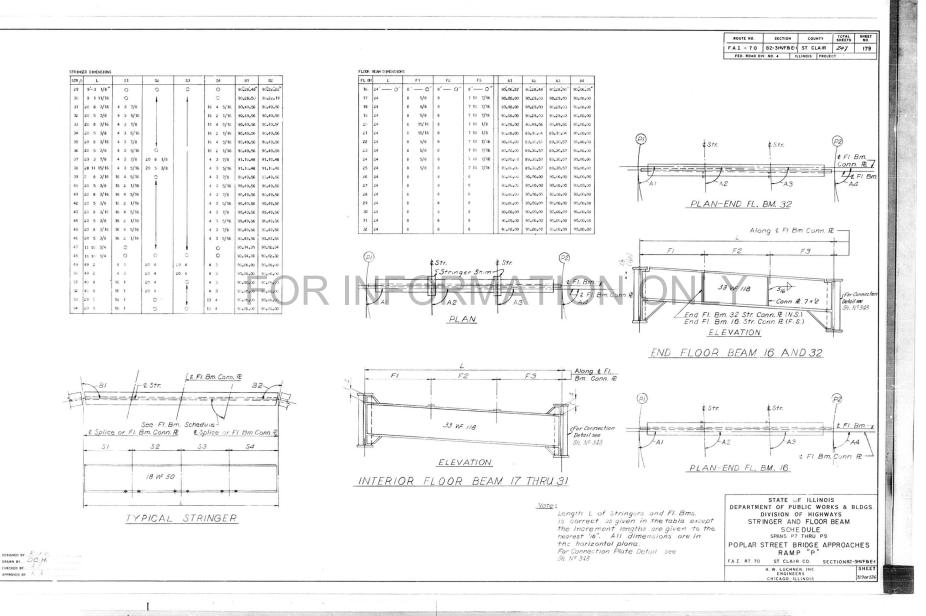


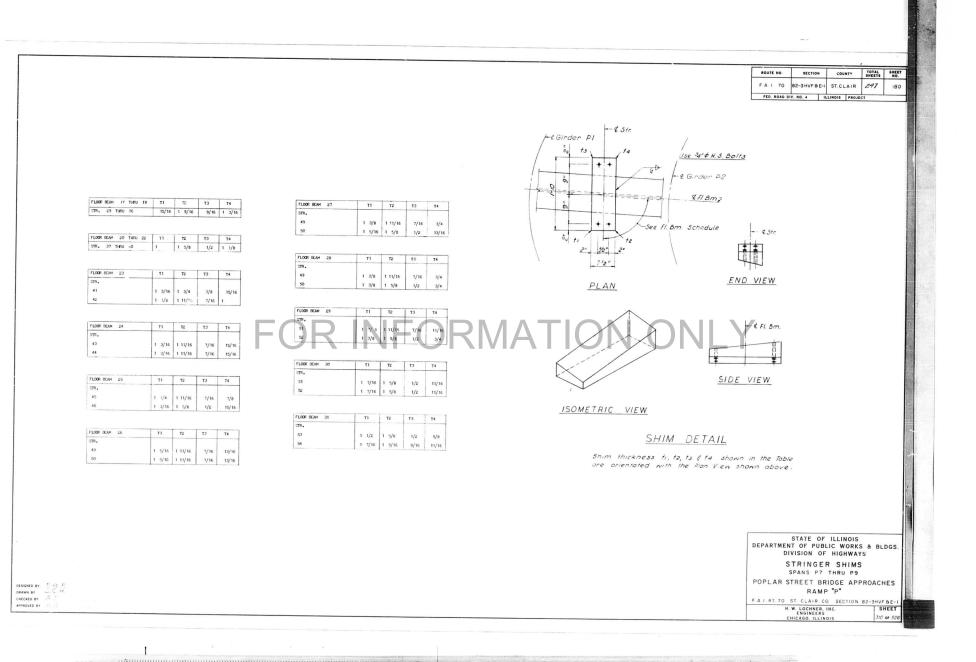




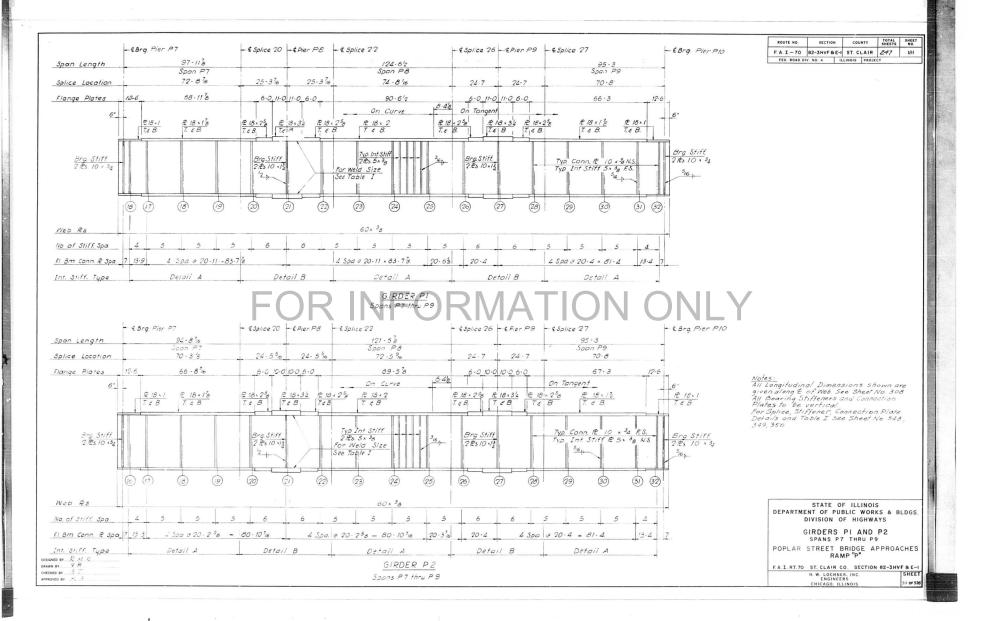
.....

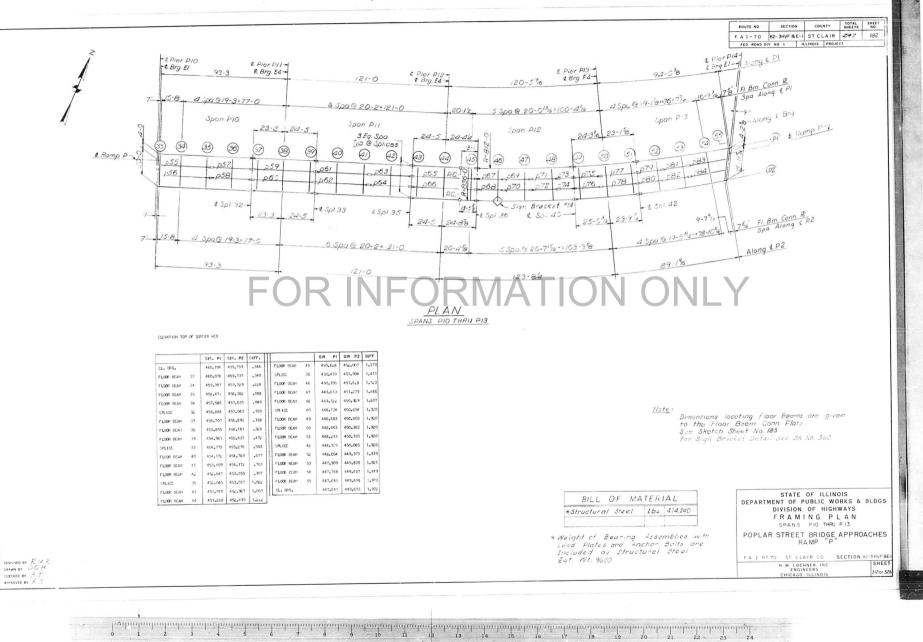
Ŷ		ROUTE NO. SECTION COUNTY TOTAL NAMETS SMEET F.A.I70 82-3MVF8E-I ST.CLA.R 24/7 1/8 FED. ROAD DIV. NO.4 ILLINOIS PROJECT 1/8
A	£ Dier P8 - £ Dier P9 - £ Pier P10 & Brg.F4 - 124-6 & Brg.E4 - \$ & Brg.E1	
۶	\$ pier p7 erg. E1 97-118	Along £ PI
A	20-11-83-78 4 300 e co 11 - 2000 e 20-21-87-4 3-4 7	" F <u>I. Bm. Conn. ₽</u> Spa. Along € PI
	2- 13-4 -7 24-7 3Eq. Spa.	
	$ \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	e Romp P
	8 p22 p22 p22 p22 p22 p22 p22 p22 p22 p2	
	P - + + + + + + + + + + + + + + + + + +	ya
		FI. Bm. Conn. R
	Along & Brg: 9 4 8 10 10 20-25-30-1074 1 Spo @ 20-25-5-50-10% 20-3 % 20-4 4 Spo @ 20-4-81-4 13-4 13-4 7	Spa. Along & P2
	FORMETORMATION OF	1011 <u>9</u> # + 2
	JPANS P7 THRU PY	
	LLEWITION TOP OF CUTOER -LD	
	GH, PI GH, FZ GHT. GL, (HG, 479,391 469,011 1,860	
	FLOR 647.0 4.0.0 L0.0 FLOR 6241 17 470.40 644.76 L0.0 FLOR 1001 1001 1001 L0.0 L0.0	
	1 L00F ILC4F 10 4 453,454 455,455 1,240 1 L00F ILC4F 10 453,454 455,455 1,240 1 Fill L2 20 459,455 477.735 1,240	
	FLOOR NEW 20 447,551 457,551 1,260 FLOOR NEW 21 449,551 457,513 1,260 FLOOR NEW 22 449,551 457,133 1,260	
	SPLIC 22 466,446 466,526 1,300 Dimensions .ocatin given to the Floc	ng Floor Beams ure Dr Beam Conn. Plate.
	المراقب عن 467,312 (46,604) (176) المراقب عن 467,016 (465,446) (156) المراقب عن 467,016 (465,446) (156) المراقب عن 464,00 (464,46) (156)	r /vo./83
	PR_102 26 465,564 464,364 1,220 FL00F E0.44 26 464,205 1,189	
	TLOOP BCH 27 444-364 453-448 1,642 TLOOP BCH: 28 443-411 442-753 -846 BILL OF MATERIA	A L STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS.
	SPLIG 24 440,444 440,595 1465 FLOOM SCHE 26 441,455 549 1 FLOOM SCHE 36 451,355 249 1	B75,830 DIVISION OF HIGHWAYS FRAMING PLAN
	тцоотиски за 40,434 40,335 450 тцоотиски за 40,250 499,440 300 Геола Relates and Anchor B	SPANS P7 THRU P9 Spines with POPLAR STREET BRIDGE APPROACHES Solls ore RAMP "P"
С. н.	a. ma. 40,173 49,417 296 Included as Structural CEST. VI. 6960	Sheed RAMP 'P' Sheed FA I RT70 ST CLAIR CO SECTION82-3HVF8Er H.W. LOCHNER, INC ENGINEERS
1.4.7°		



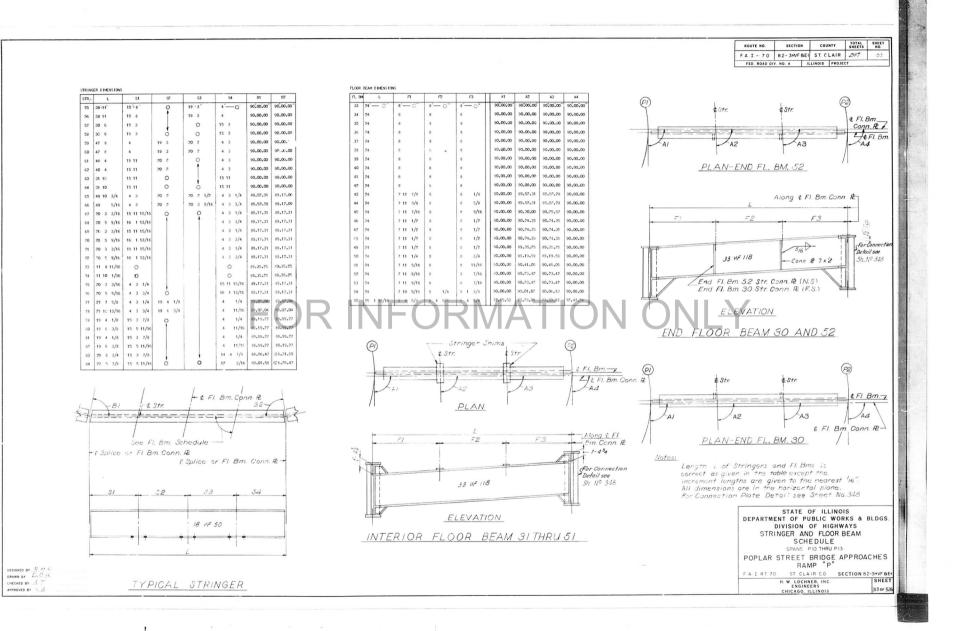


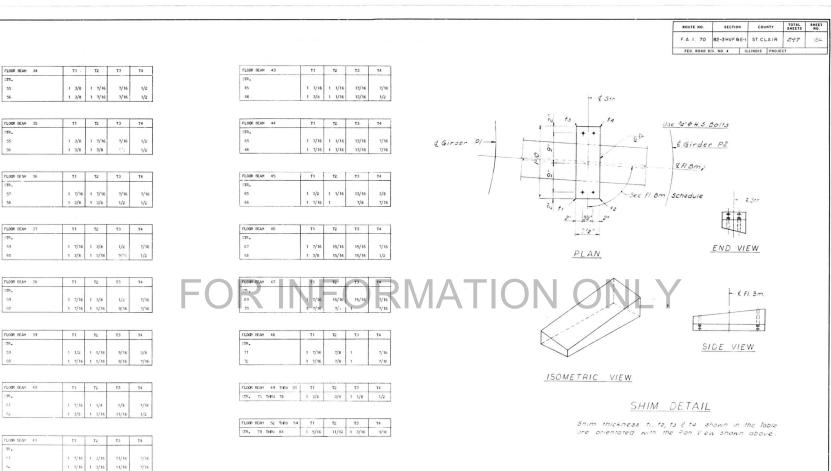
l'estimiliaria interiminational and and a the state of th





\sim 10 11 12 12 13 14 12 16 17 19 19 20 21 25 23 24





FLOOR BEAM 42	T1	T2	т3	T4	
TP.					
63	1 7/16	1 3/16	11/16	7/16	
64	1 7/16	1 3/16	11/16	7/16	

FLOOR BEAM 42	T1	T2	T3	T4
TP.				
63	1 7/16	1 3/16	11/16	7/16
-	1 2110	1. 1/10	11/10	7/10

1000 05 H				
		1 3/16	/16	
2	1 7/16	1 3/16	11/16	7)
2.5	1 1/16	1 3/16	11/16	

STR. 55

14

STR.

55

56

STR.

57

5.5

STR.

59

60

STR.

59

STR.

59

STR.

61

TR.

DESIGNED BY RMR DRAWN BY D.C.

CHECKED BY

LOOR BEAM 42	τ1	T2	т3	Τ4
TP.				
63	1 7/16	1 3/16	11/16	7/16
64	1 7/16	1 3/16	11/16	7/16



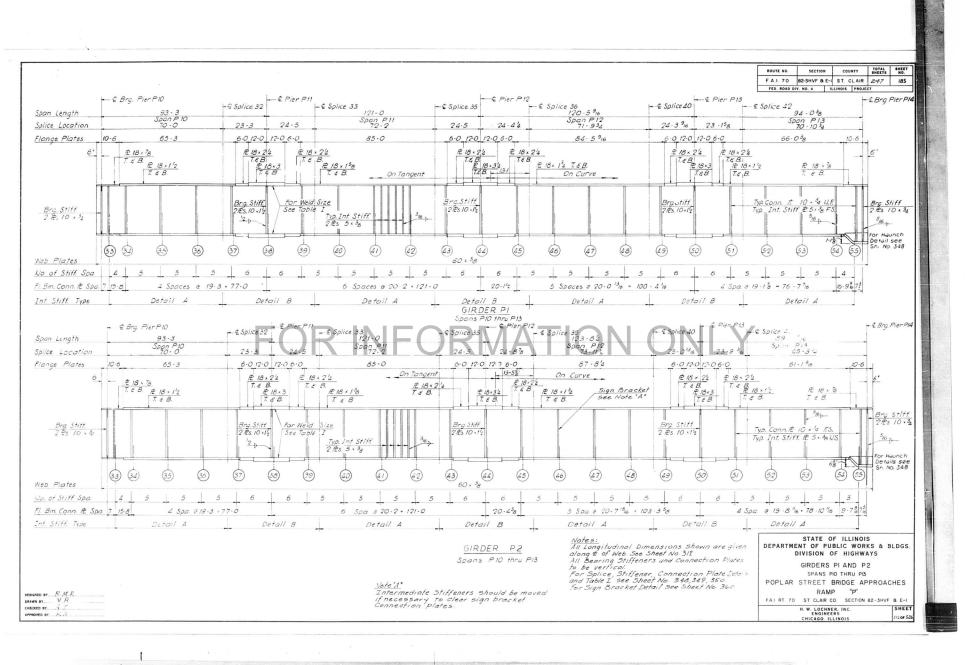
STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS DIVISION OF HIGHWAYS STRINGER SHIMS SPANS PIO THRU PI3 POPLAR STREET BRIDGE APPROACHES RAMP "P"

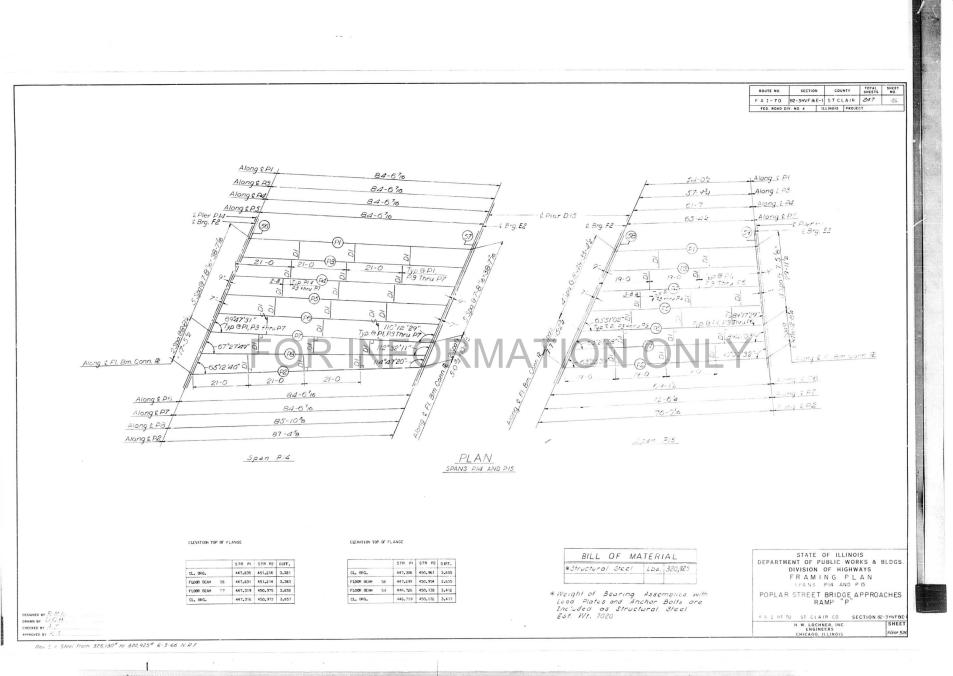
F.A.I RT. 70 ST. CLAIR CO. SECTION 82-3HVF & E-1

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

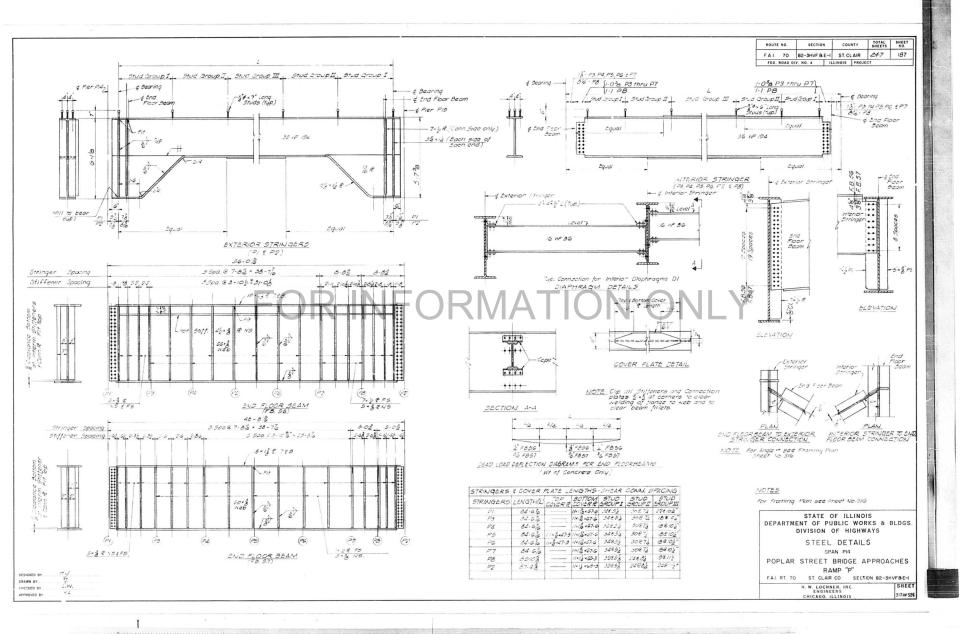
SHEET

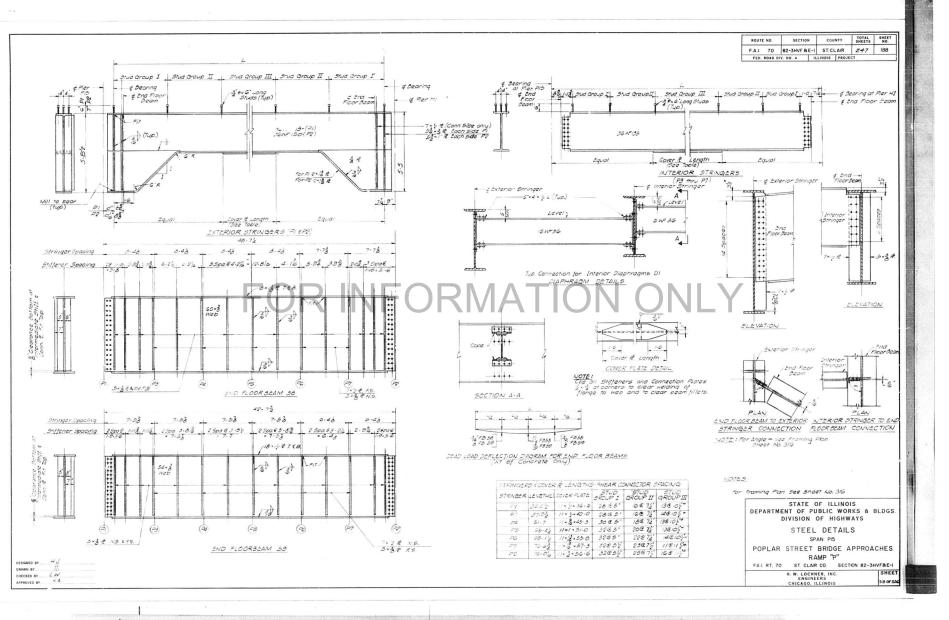
3/4 or 526

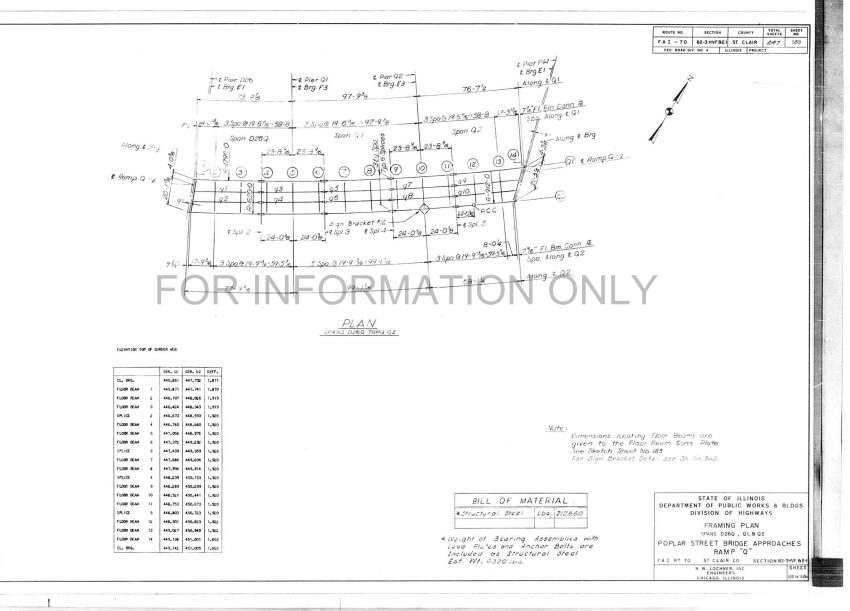




he dan ha ha to the start of th



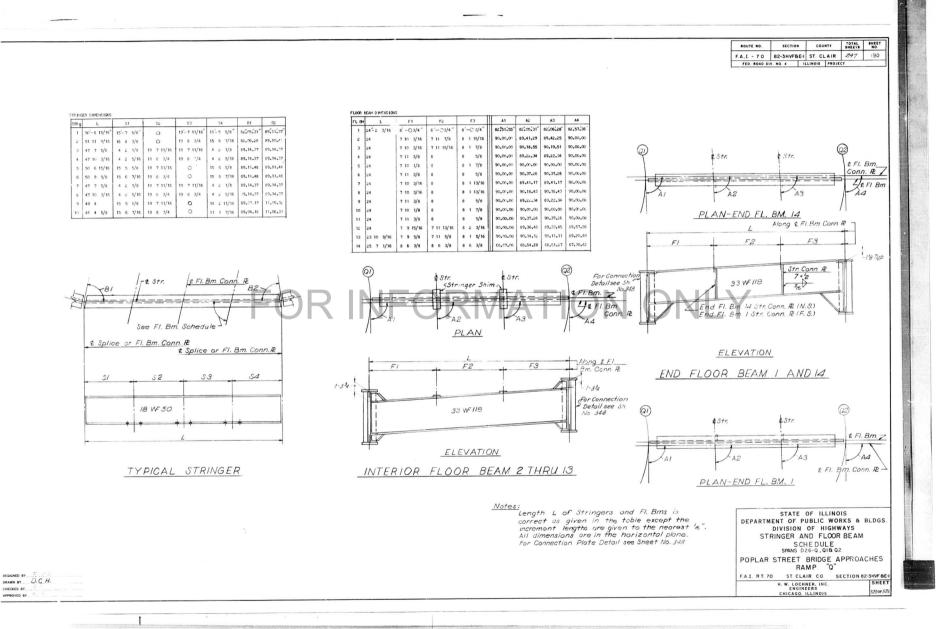




DESIGNED BY 2. V.C. DRAWN BY D.C.H.

CHECKED BY

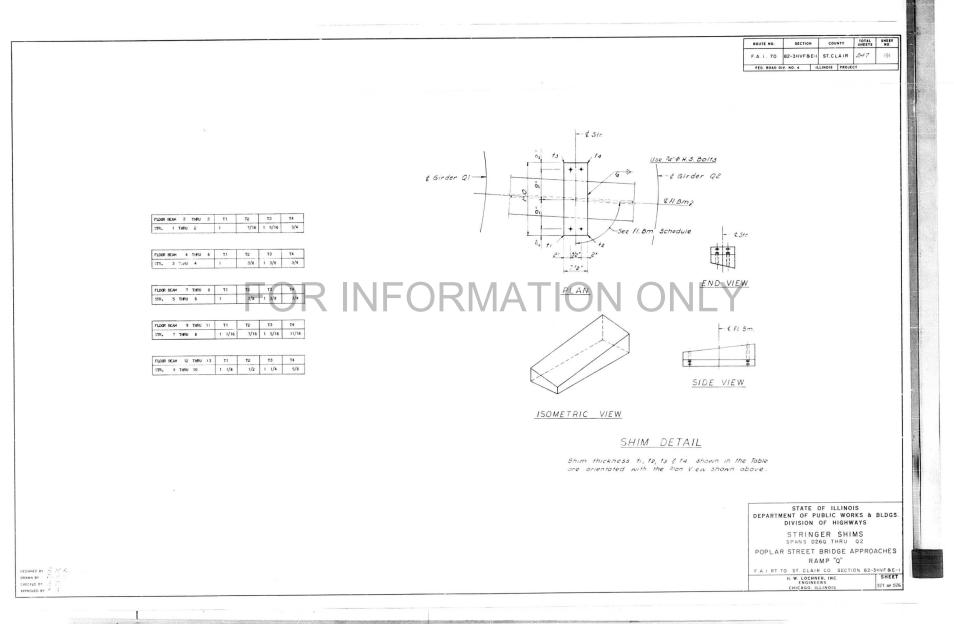
APPROVED BY .

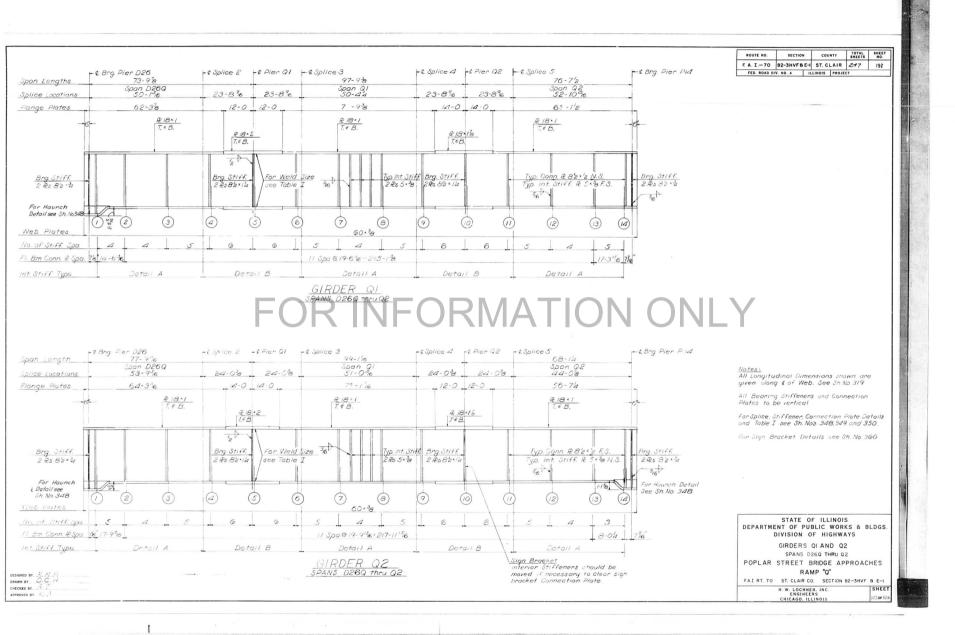


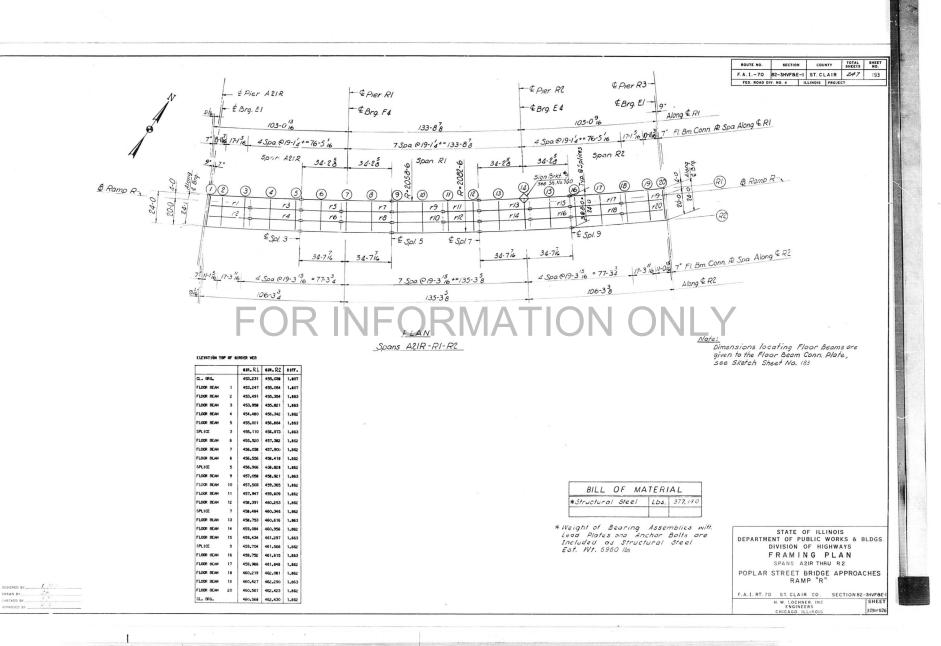
 $\begin{bmatrix} x_1 & x_2 & x_3 & x_4 & x_6 & x_7 & x$ 24

CHECKED BY

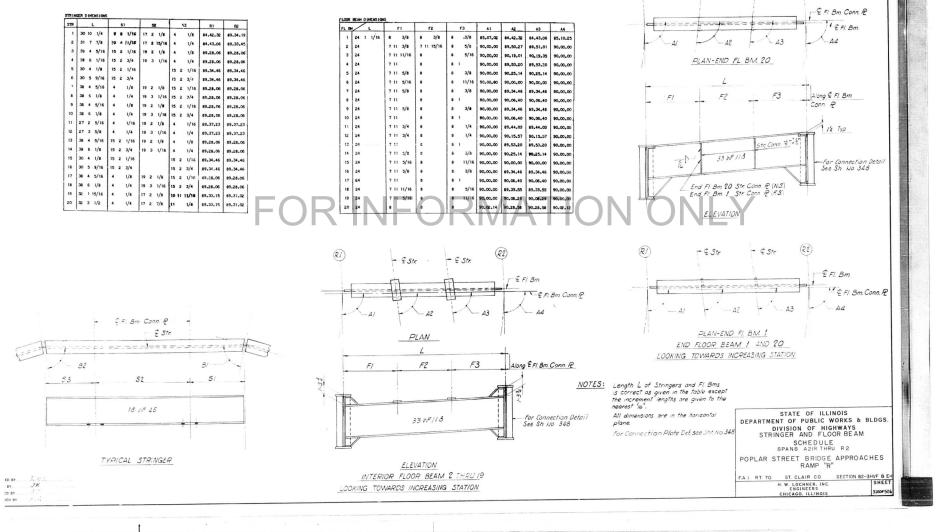
APPROVED BY







 \backslash



COUNTY TOTAL SHEET NO.

SECTION

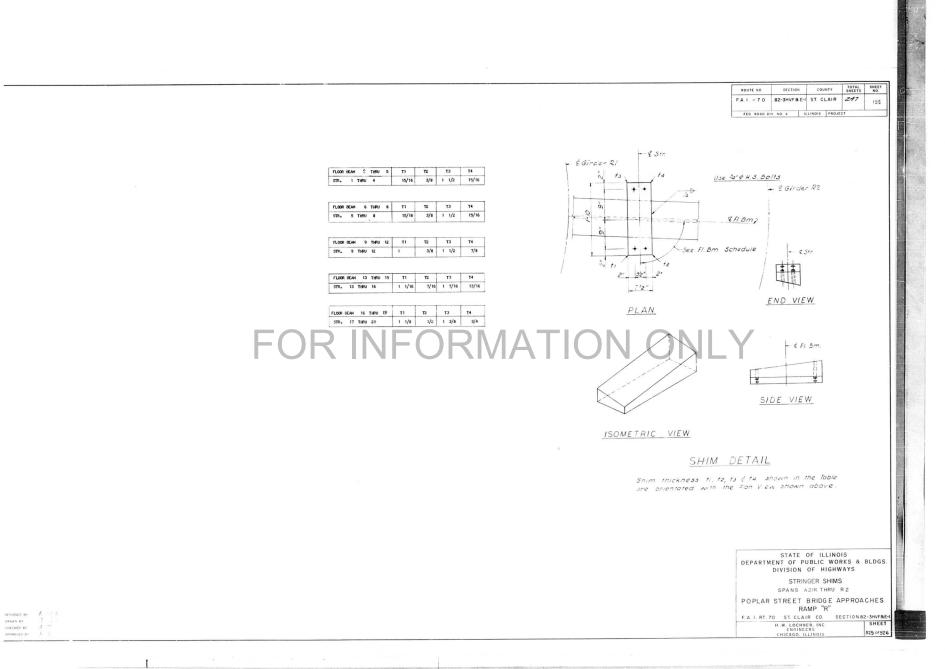
F.A. I. - 70 82-3HVF8E-1 ST. CLAIR 247 194 FED. ROAD DIV. NO. 4 ILLINDIS PROJECT

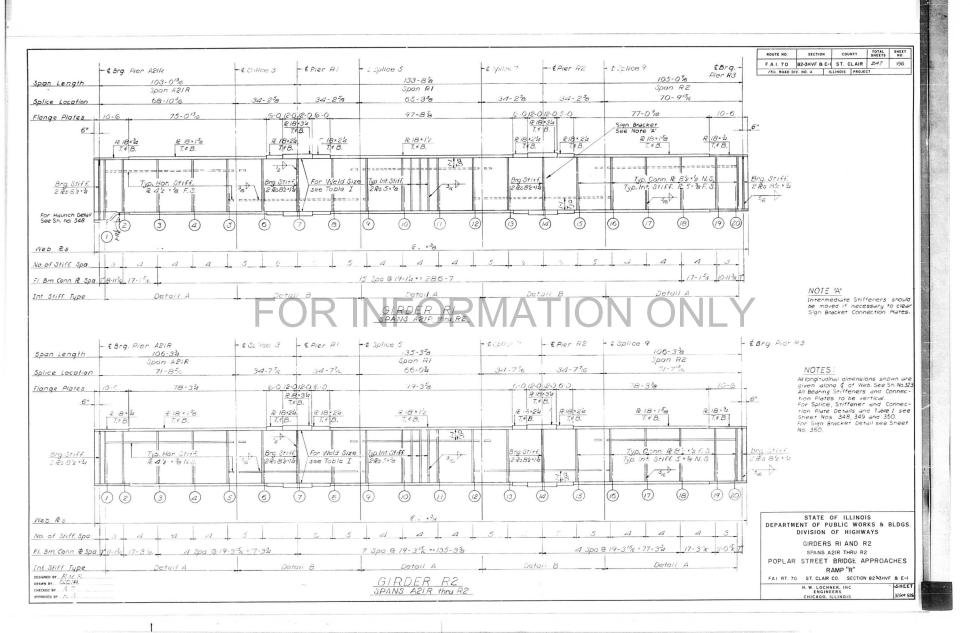
ROUTE NO.

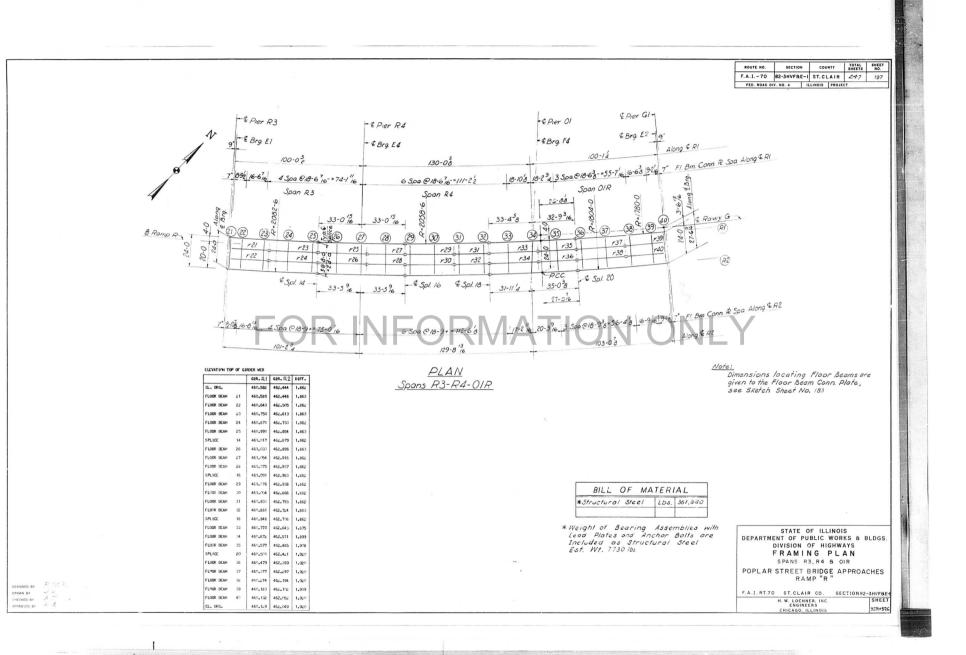
- EStr.

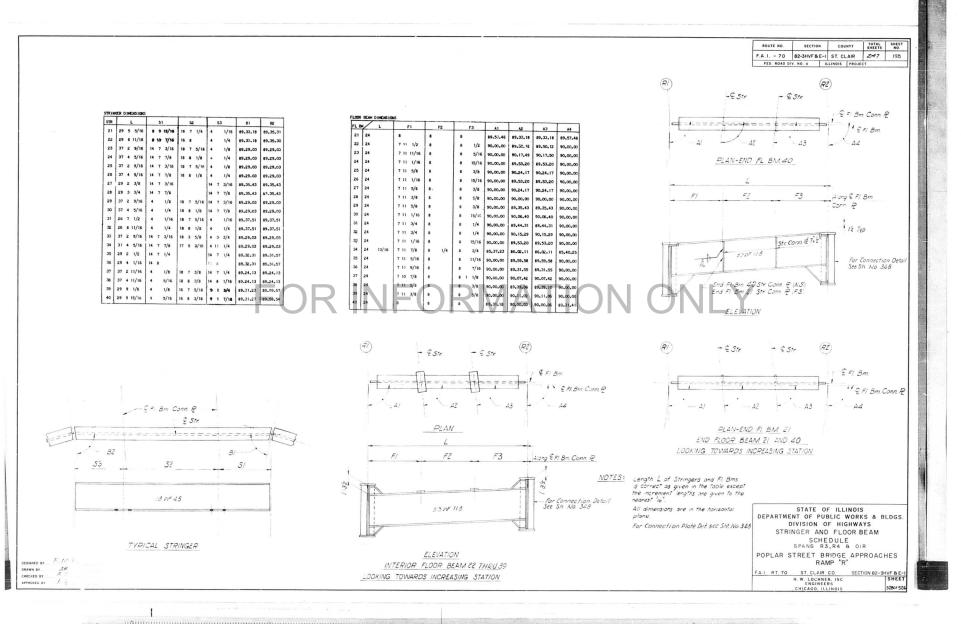
-E Str.

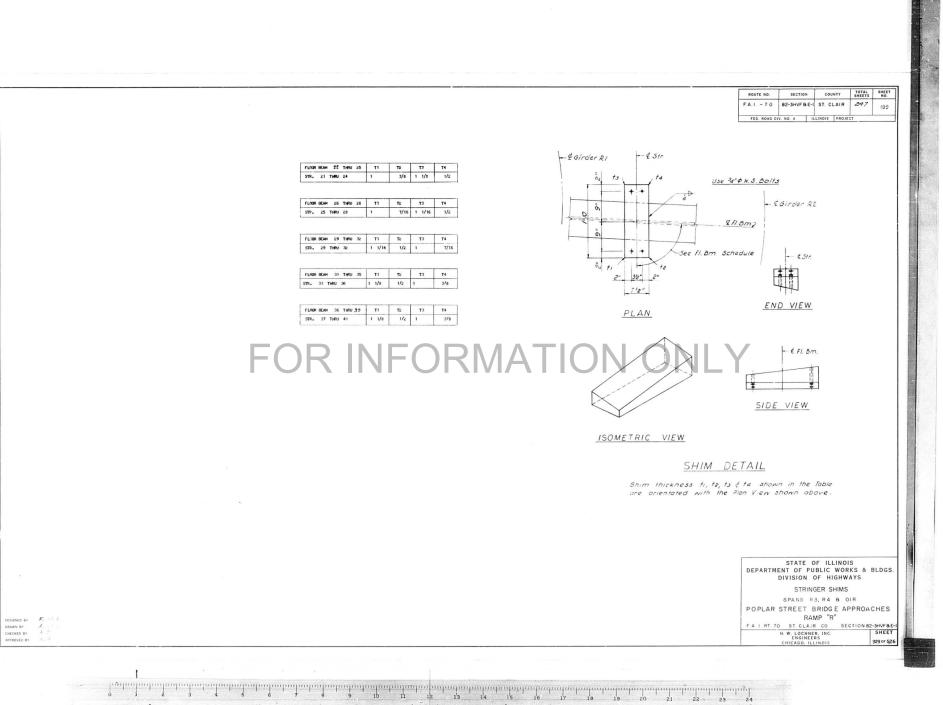
RI

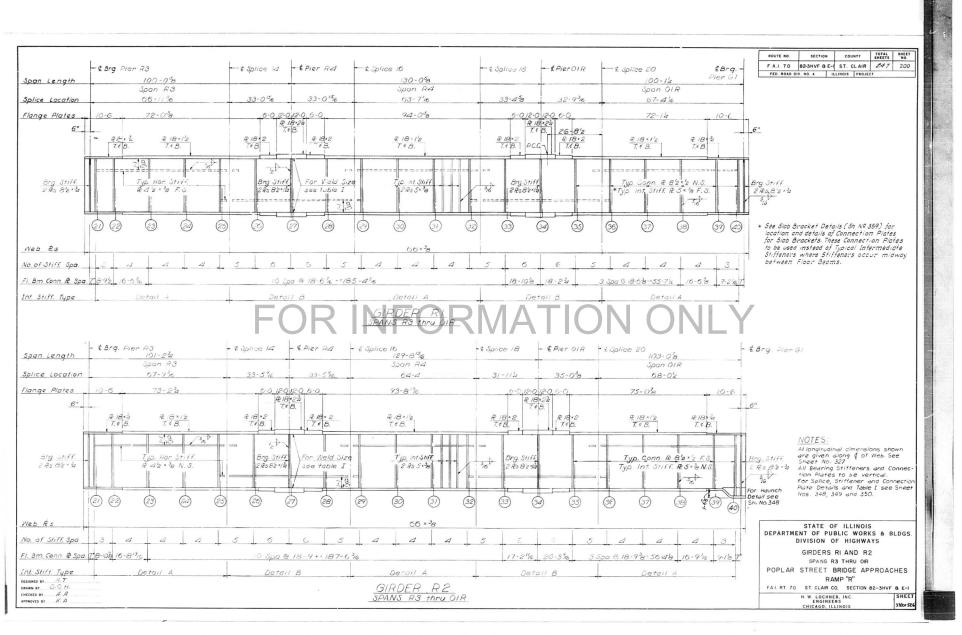


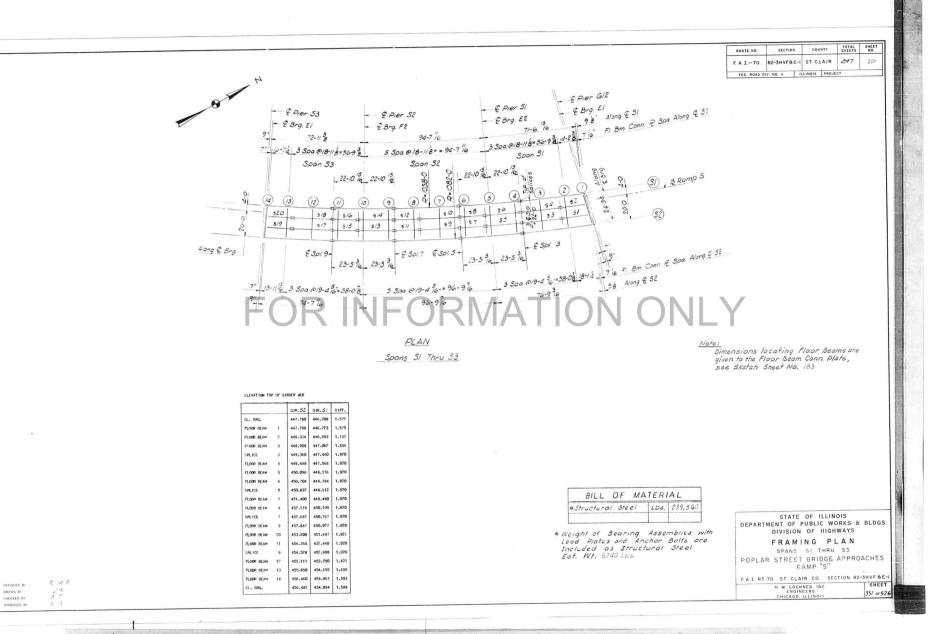






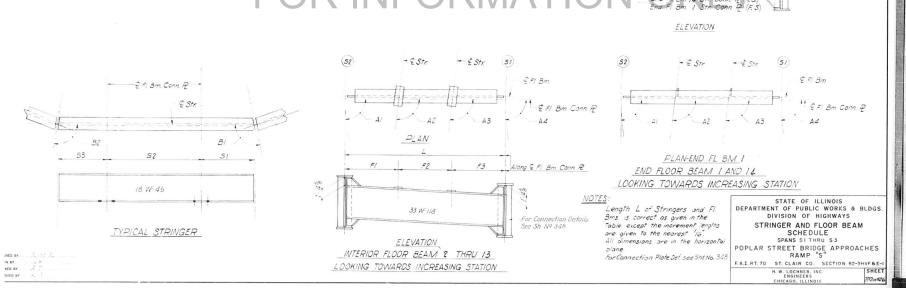






DRAWN BY

$= \frac{1}{2} + \frac{1}{3} + \frac{1}{5} + \frac{1}{6} + \frac{1}{8} + \frac{1}{3} + \frac{1}{10} + \frac{1}{11} + \frac{1}{12} + \frac{1}{13} + \frac{1}{12} + \frac{1}{16} + \frac{1}{17} + \frac{1}{18} + \frac{1}{19} + \frac{1}{20} + \frac{1}{21} + \frac{1}{22} + \frac{1}{23} + \frac$



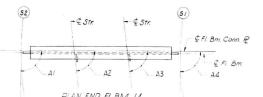
STR		- 33	L		51			52			\$3	91	82
1	20	10	3/8				16	9	13/16	4	\$/16	98.55.43	90.33.36
2	19	6	3/8				1:	6	3/16	4	3/16	98.57.36	90.31.43
3	30	4	1/16	15	2					15	2	90.48.33	90.48.33
4	30	1	3/8	15		11/16				15	11/16	90.48.33	90.48.33
5	27	3	5/8	4		9/16	19	2	9/16	4	9/16	90.43.42	90.43.42
6	27	1	3/16	4		3/16	19		7/8	4	3/16	90.43.42	90.43.42
7	19	2	9/16	15	2					4	9/16	90.30.45	90.30.45
8	19		7/8	15		11/16				4	3/16	90.30.45	90.30.45
9	30	4	1/16	15	2		İ.			15	2	90.48.33	90.48.33
10	30	1	3/8	15	3	11/16				15	11/16	90.48.33	90.48.33
11	19	2	5/16	4		ə/16				15	2	90.30.45	90.30.45
12	19		7/8	4		3/16				15	11/16	90.30.45	90.30.45
13	27	3	5/8	4		9/16	19	2	9/16	4	9/16	90.43.42	90.43.42
14	27	1	3/16	4		3/16	19		7/8	4	3/16	90.43.42	90.43.42
15	19	2	9/16	15	2					4	9/16	90.30.45	90.30.45
16	19		7/8	15	3	11/16				4	3/16	90.30.45	90.30.45
17	30	4	1/16	15	2					15	2	90.48.33	90.48.33
18	30	1	3/8	15	3	11/16				15	11/16	90.48.33	90.48.33
19	19	10	7/8	4		9/16	15	10	5/16			90,31,51	90.36.07

FL BM	L	L F1		гз	A1	A2	A3	44
1	24 3 1/8	8 1 1/16	8 1 1/16	8 1 1/16	98.18.48	98.55.43	98.57.36	98.30.11
2	24	8 3/8	8	7 11 5/8	90.00.00	89.39.21	89.41.14	90.00.00
3	2	8 1 5/16	5	7 10 3/4	90.00.00	90.00.00	90.00.00	90.00.00
,	24	8 1/2	8	7 11 1/2	90.00.00	90.30.45	90,30,45	90.00.00
5	24	8 1/2	8	7 11 1/2	90.00.00	89.29.15	89,29,15	90.00.00
6	24	8 5/16	8	7 11 11/16	90.00.00	89.42.12	89,42,12	90.00.0
7	24	8 1 5/16	8	7 10 3/4	90.00.00	90.00.00	90.00.00	90,00,0
8	24	8 5/16	8	7 11 11/16	90,00,00	90.17.48	90,17,48	90.00.0
9	24	8 1/2	8	7 11 1/2	90,00,00	90.30.45	90,30,45	90.00.0
10	24	8 1/2	8	7 11 1/2	90.00.00	89.29.15	89,29,15	90.00.0
11	24	8 5/16	8	7 11 11/16	90.00.00	89.42.12	89.42.12	90.00.00
12	24	8 1 5/16	8	7 10 3/4	90.00.00	90.00.00	90.00.00	90.00.00
13	24	8 3/8	8	7 11 5/8	90,00,00	90.18.54	90.18,53	90.00.00
14	24	8	8	8	89.55.46	89.23.53	89.23.52	89.55.4

 ROUTE NO.
 SECTION
 COUNTY
 TOTAL SMEET
 SHEET NO.

 F.A.I.- 70
 82-34VF 8E-I
 ST. CLAIR
 202

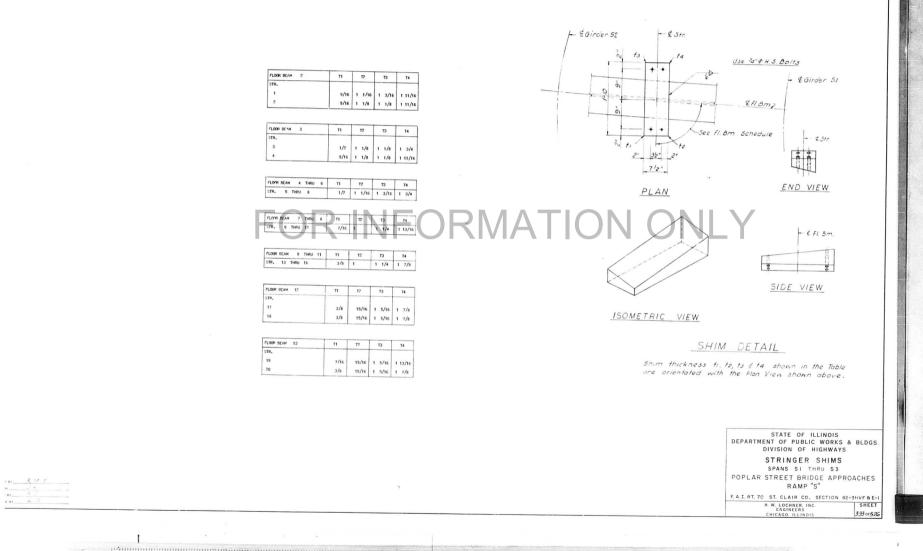
 FED. ROAD DIV. NO. 4
 ILLINDIS
 PROJECT





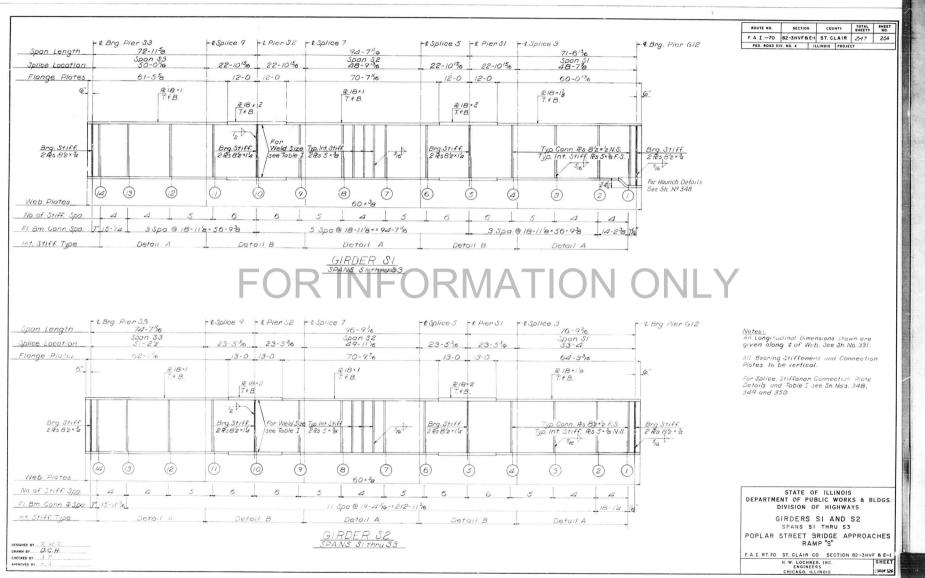


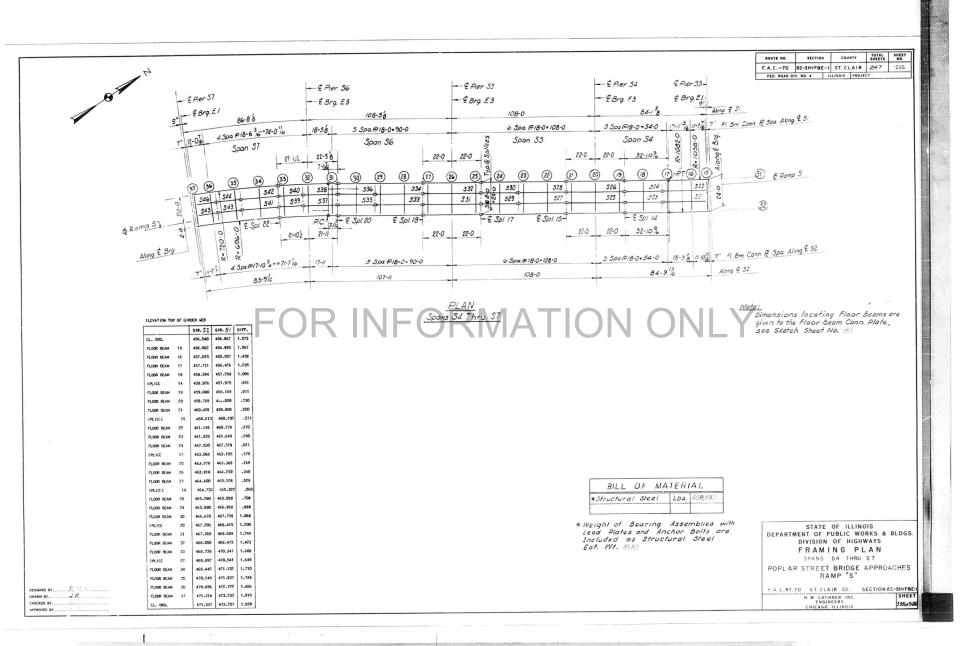
 $\begin{bmatrix} 1 & 1 \\ 0 & 1 & 2 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 0 & 1 & 2 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 0 & 1 & 2 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 0 & 1 & 2 \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 0 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 0 & 1 & 1$



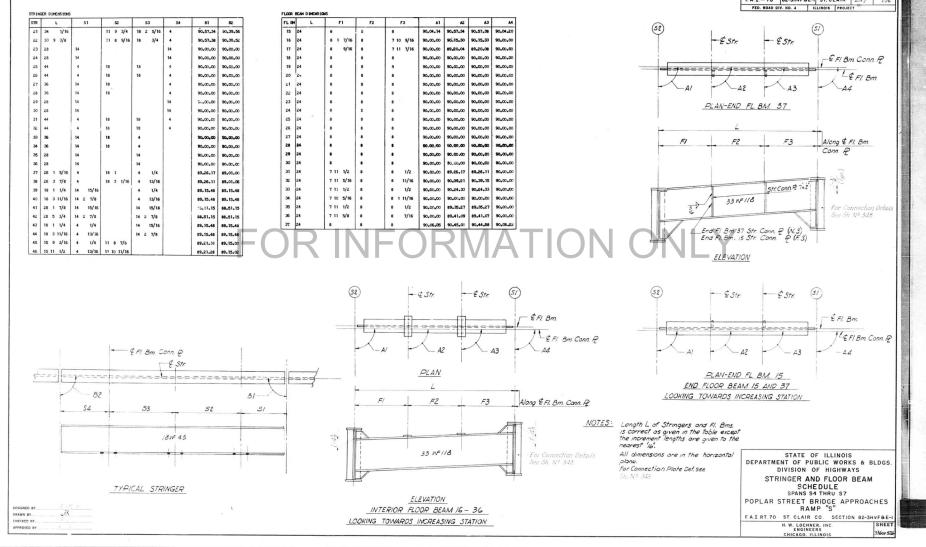
ROUTE NO. SECTION

COUNTY TOTAL SHEET NO. F.A. I.-70 82-3HVF8E-1 ST. CLAIR 247 203 FED ROAD DIV. NO. 4 ILLINOIS PROJECT





Lootadaalaa $= \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{10}



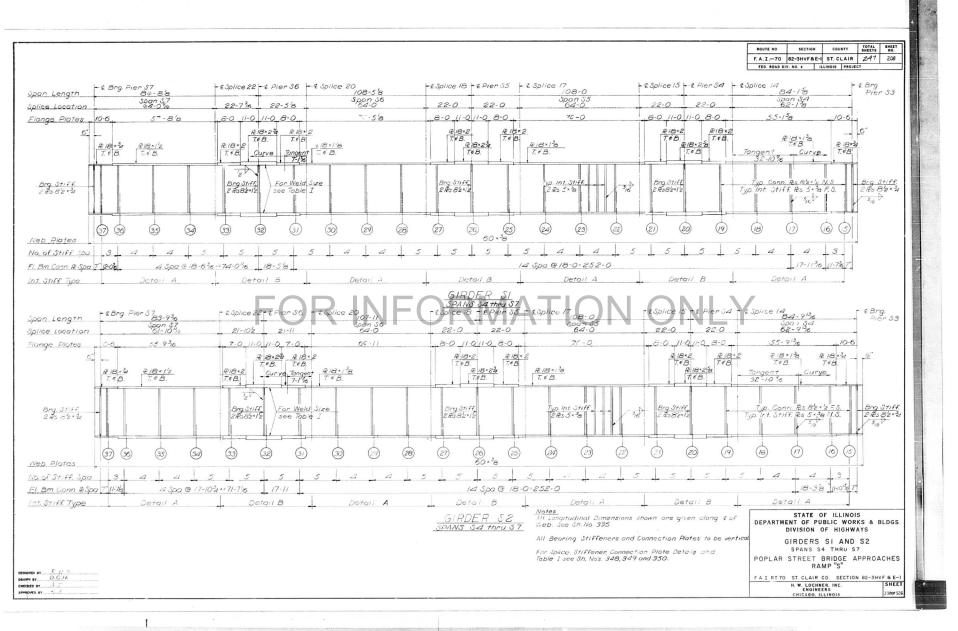
F.A.I.- 70 82-3HVF8E-I ST. CLAIR 247 206

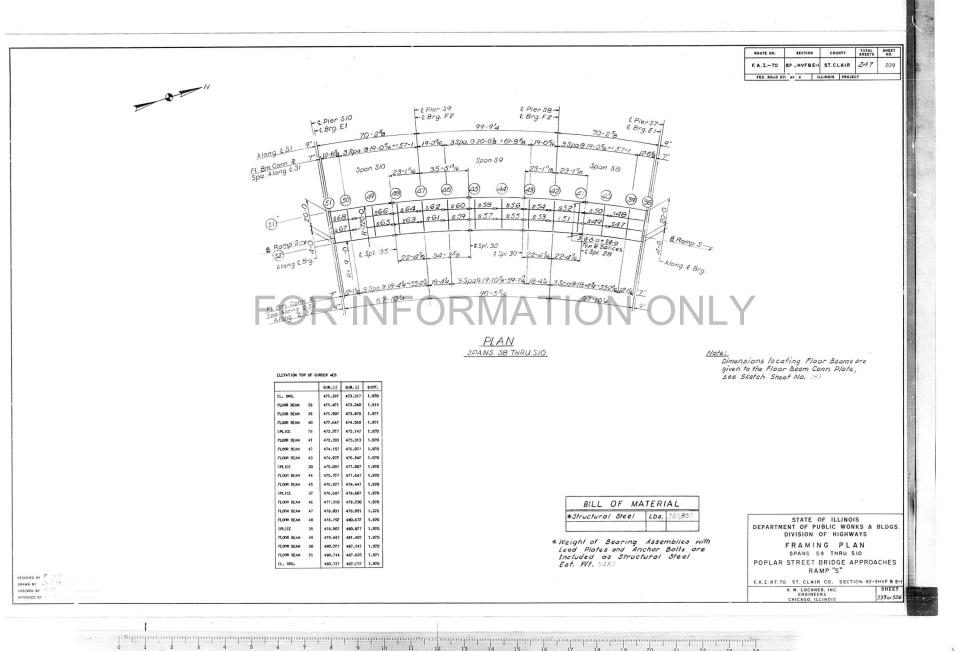
ROUTE NO.

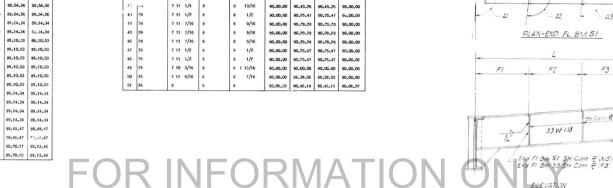
SECTION

COUNTY TOTAL SHEET NO.

						ROUTE NO. SECTION COUNTY TOTAL SHEET NO.
						F.A. I70 82-3HVFBE-1 ST. CLAIR 247 207
						FED. ROAD DIV. NO. 4 ILLINOIS PROJECT
		FLOOR BEAM 24	T1 T2 T3 T4	FLOOR BEAM 33 T1 T2 T3 T4		
		STR. 29	11/16 11/16 1 9/16 1 9/16	STR.		
		30	5/8 5/8 1 5/8 1 5/8	39 15/16 7/16 1 13/16 1 5/16 40 7/8 3/8 1 7/8 1 3/8		
				1/10 3/0 1 1/8 1 3/8	¢ Str.	
OR BEAM 16	T1 T2 T3 T4	FLOOR BEAM 25			= É Girder 52	
		STR.	T1 T2 T3 T4	FLOOR BEAM 34 T1 T2 T3 T4	a ta ta	Use 34" \$ H.S. Bolts
	7/16 7/8 1 3/8 1 13/16	31	11/16 5/8 1 5/8 1 9/16	41 15/16 7/16 1 13/16 1 5/16	++	1
	3/8 7/8 1 3/8 1 7/8	32	11/16 5/8 1 5/8 1 9/16	42 15/16 3/8 1 7/3 1 5/16	Ő,	= Girder SI
OR BEAM 17	T1 "2 T3 T4	FLOOR BEAM 26	T1 T2 T3 T4	FLOOP BEAM 35 T1 T2 T3 T4	6	& FI. Bmg
	7/16 7/8 1 3/8 1 13/16	STR. 31		STR.	<u> </u>	
	7/16 13/16 1 7/10 1 13/16		3/4 5/8 1 5/8 1 1/2 11/16 9/16 1 11/16 1 9/16	43 15/16 3/8 1 7/8 1 5/16 44 15/16 3/9 1 7/8 1 5/16	+ + +	Bm Schedule
				10/10 3/5 1 //8 1 5/16	in the te	- ¢ Str.
R BEAM 18	T1 T2 T3 T4	FLOOR BEAM 27			2" 32" 2"	
		STR.	T1 T2 T3 T4	FLOR BE'H 36 T1 T2 T3 T4	7'2"	
	1/2 13/16 1 7/16 1 3/4	31	3/4 9/16 1 11/16 1 1/2	45 1 3/8 1 7/8 1 1/4		
_	7/16 13/16 1 7/16 1 13/16	32	11/16 9/16 1 11/16 1 9/16	46 15/16 3/8 1 7/8 1 5/16	PLAN	END VIEW
R BEAM 19	T1 T2 T3 T4	FLOOR BEAM 28	TI TZ T3 T4			
	1/2 13/16 1 7/16 1 3/4	STR.				1
	1/2 3/4 1 1/2 1 3/4	34	3/4 5/16 1 11/16 1 1/2 3/4 1/2 1 3/4 1 1/2			- € FI. Bm.
		L				1
R BEAN 20	T1 T2 T3 T4	FLOOR BEAM 29	TI T2 T3 T4			
		STR.	T1 T2 T3 T4			6 6
	9/16 3/4 1 1/2 1 11/16		13/16 1/2 1 3/4 1 7/16			SIDE VIEW
	1/2 3/4 1 1/2 1 3/4	34	3/4 1/2 1 3/4 1 1/2		\checkmark	
R BEAN 21	T1 T2 T3 T4		T1 T2 T3 T4		ISOMETRIC VIEW	
	9/16 3/4 1 1/2 1 11/16	STR. 35	13/16 1/2 1 3/4 1 7/16			
	9/16 11/16 1 9/16 1 11/16		13/16 7/16 1 13/16 1 7/16		SHIM	1 DETAIL
BEAM 22	TI T? T3 T4	FLOOR BEAM 31	T1 T2 T3 T4		anim thickness ti, are orientated with	te, ts & t4 shown in the Table b the Flan View shown above.
		STR.				nen enem above.
	5/8 3/4 1 1/2 1 5/8 9/16 11/16 1 9/16 1 11/16		7/8 1/2 1 3/4 1 3/8			
	1,10 1 1/16	30	13/16 7/16 1 13/16 1 7/16			
BEAM 23						
BEAM 23	T1 T2 T3 T4	FLOOR JEAM 32 1	T1 T2 T3 T4			
	5/8 11/16 1 9/16 1 5/8		7/8 7/16 1 13/16 1 3/8			STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS.
	5/8 11/16 1 9/16 1 5/8		7/8 7/16 1 13/16 1 3/8			DIVISION OF HIGHWAYS
						STRINGER SHIMS SPANS S4 THRU S7
						POPLAR STREET BRIDGE APPROACHES
RMR						RAMP "S"
.4 18						F. A. I. RT. 70 ST. CLAIR CO. SECTION 82-3HVF 8 E-
						H. W LOCHNER, INC. SHEET ENGINEERS 337or526 CHICAGO, ILLINOIS 337or526







A1 A2 A3 44

89.53.25 88.47.59 88.48.02 89.53.38

90.00.00 89.54.17 39.54.20 90.00.00

90.00.00

90.00.00 89.14.34 89.14.34 90,00,00

90.00.00 90.45.26 90.45.26 90,00,00

89.34.13 89.34.13 90.00.00

F3

8 1 9/16

8 1/2

8 13/16

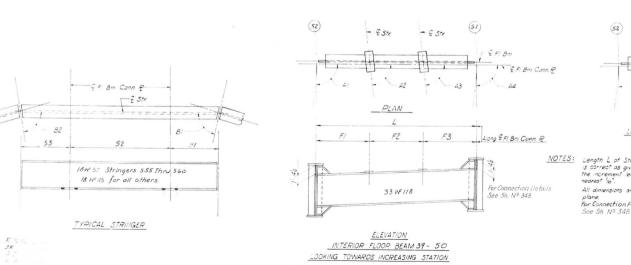
8 13/16

STR			L		5	1		s	2		\$3	81	82
47	26	9	7/8		1		12	2	15/16	14	7	88.47.59	88.54.30
48	27	1	3/4				12	4	3/4	14	9	88.48.02	88.54.28
49	18	7	1/4	4		1/4				14	7	89.14.34	89.14.34
50	18	9	13/16	4		13/16				14	9	89.14.34	89.14.34
51	26	7	13/16	4		1/4	18	7	1/4	4	1/4	88.54.56	88.54.56
52	26	11	7/16	4		13/16	18	9	3/4	4	13/16	88.54.56	88.54.56
53	18	7	1/4	14	7					4	1/4	89.14.34	\$9.14.34
54	18	9	13/16	14	9					4	13/16	89.14.34	52.14.34
55	20	1	3/8	16	1	1/16				4	1/4	89.10.53	89.10.53
56	20	4	1/8	16	3	5/16				4	13/16	89.10.53	89.10.53
57	20	1	3/8	16	1	1/1=				4	1/4	89.10.53	89.10.53
58	20	4	1/8	16	3	5/16				4	13/16	89.10.53	89.10.53
59	20	1	3/8	16	1	1/16				4	1/4	89.10.53	89.10.53
60	20	4	1/8	16	3	5/16				4	13/16	89.10.53	89.10.53
61	18	7	1/4	14	7					4	1/4	89.14.34	89.14.34
62	18	9	13/16	14	9					4	13/16	89.14.34	89.14.34
63	18	7	1/4	14	7					4	1/4	89.14.34	89.14.34
64	18	9	13/16	14	9					4	13/16	89.14.34	89.14.34
65	29	1	15/16	14	7					14	7	88.48.47	88.48.47
66	29	5	15/16	14	9					14	9	38.46.47	12.48.47
67	16	3	3/16	4		1/4	12	2	15/16			89.20.17	89.13.46
68	16	5	5/8	4		13/16	12	4	3/4			89.20.15	89.13.49

DESIGNED BY

DRAWN BY CHECKED BY

APPROVED BY



FLOOR REAM DIMENSIONS

7 10 1/2

7 11 1/2

7 11 1/4

7 11 1/4

FL BH

38 2

39 24 40 24

41 24



For Connection Plate Det

12

DIVISION OF HIGHWAYS STRINGER AND FLOOR BEAM

SCHEDULE SPANS S& THRU SIO POPLAR STREET BRIDGE APPROACHES RAMP "S"

EA.I.RT.70 ST. CLAIR CO. SECTION 82-3HVF 8 E-SHEET H. W. LOCHNER, INC ENGINEERS CHICAGO, ILLINOIS 34001526

SECTION COUNTY TOTAL SHEET NO.

E FI Bm. Conn. P.

T € FI. Bm

-44

4long ∉ Fl. Bm.

Conn P

- int

(51)

A3

EFI. Bm.

17

A4

€ FI Bm. Conn. ₽

4

For Connection Details

See Sh Nº 348

210

F.A. I.- 70 82-3HVF8E-I ST. CLAIR 247

(51)

FED, ROAD DIV. NO. 4 ILLINOIS PROJECT

ROUTE NO.

- EStr.

.

43

F3

Str. Conn 127:2

¢ Str.

-E Str

ELEVATION

- E Str

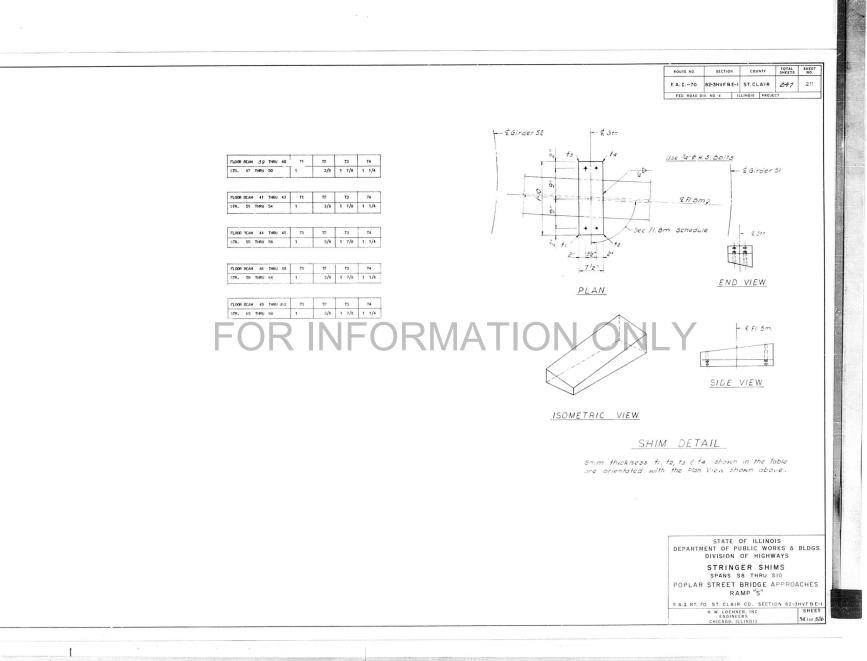
the second second

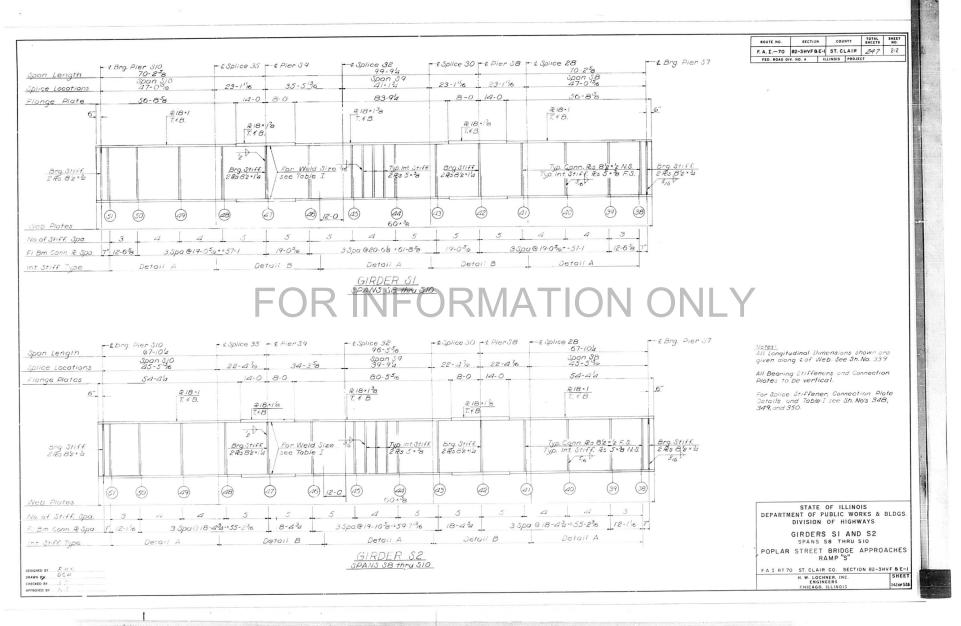
T

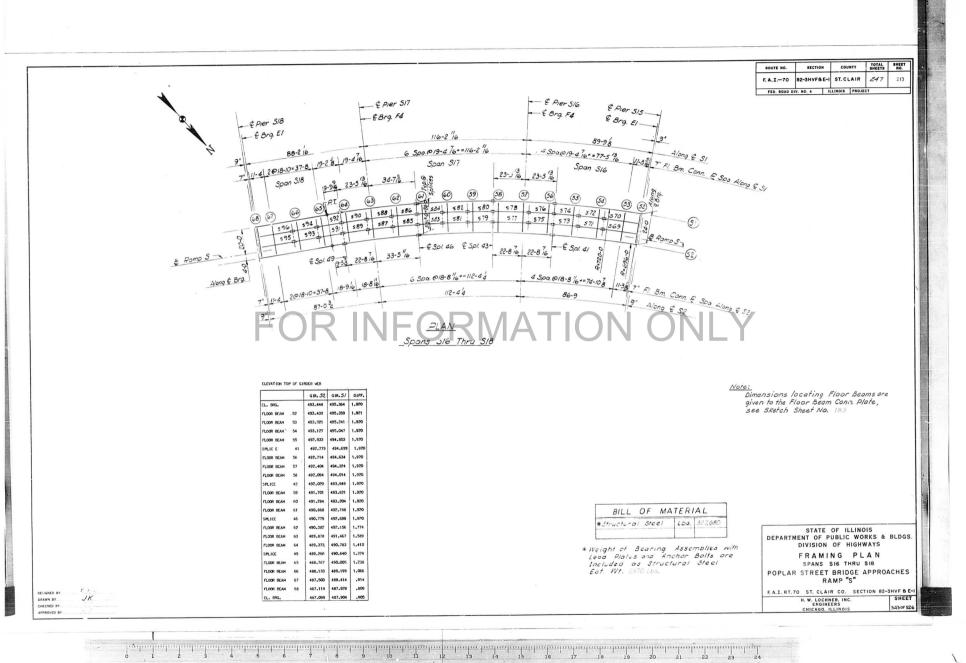
(52)

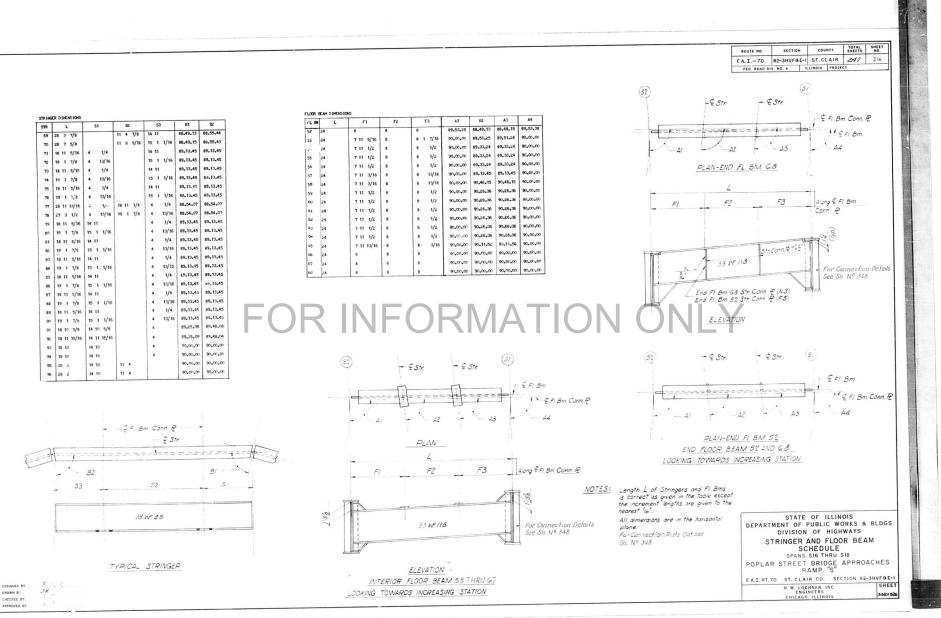
(52)

×

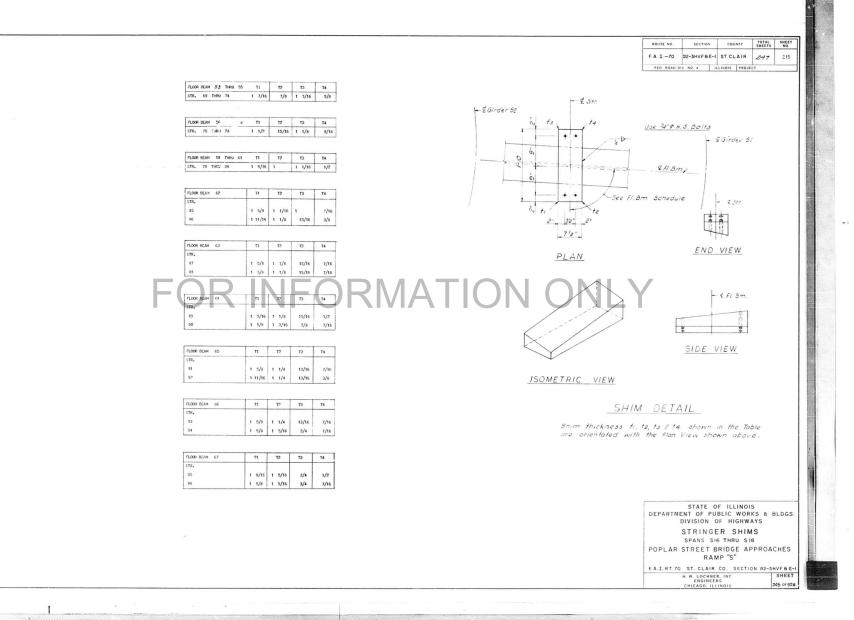


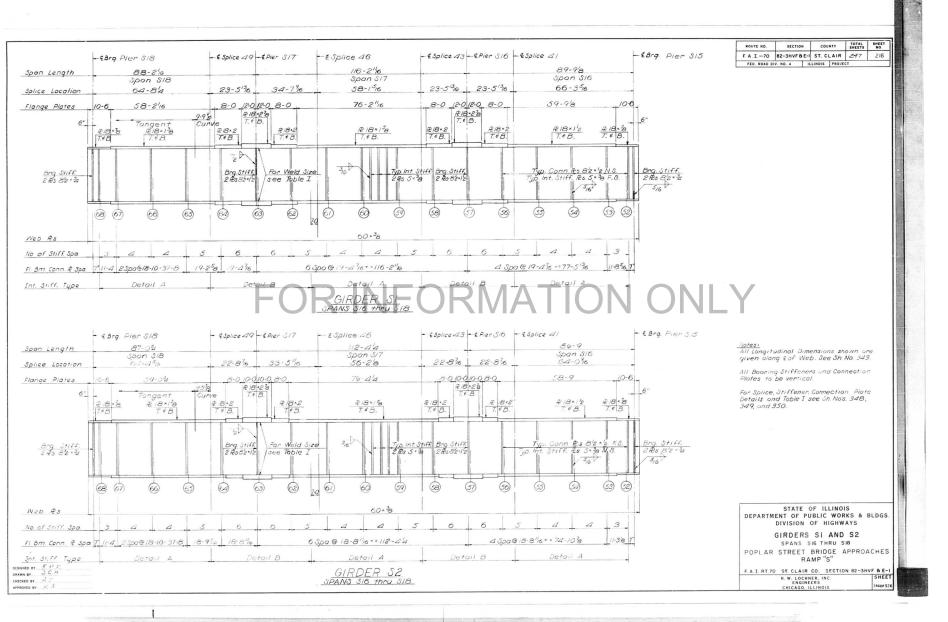




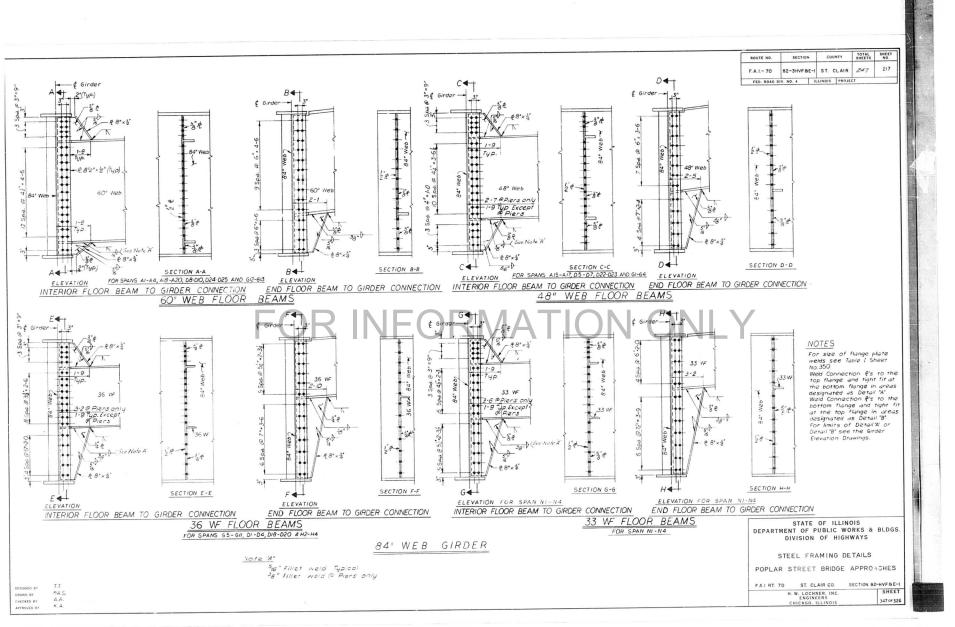


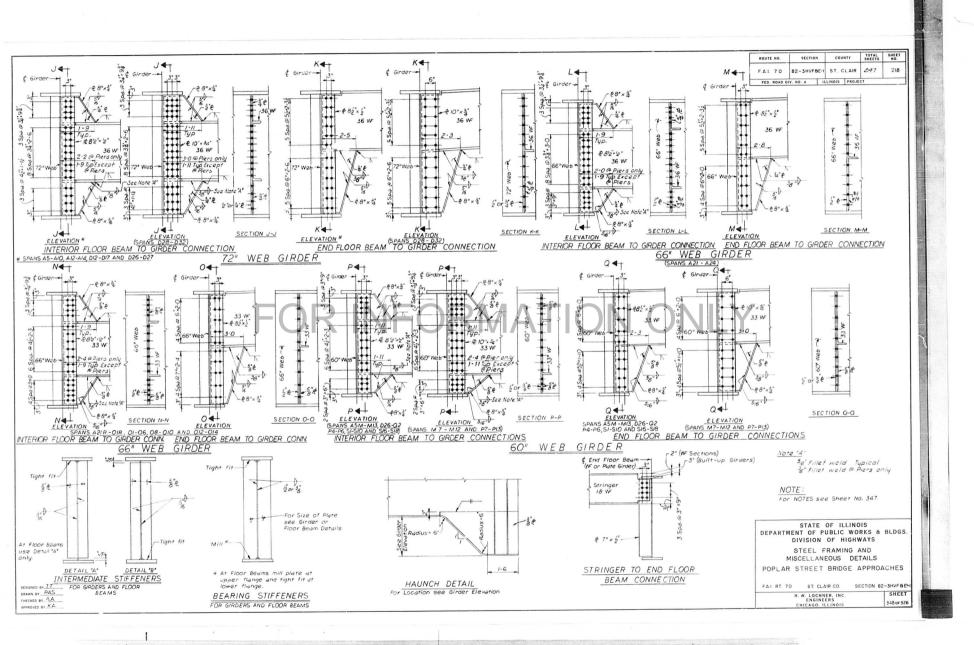
CRAWN BY CHECKED BY APPROVED BY

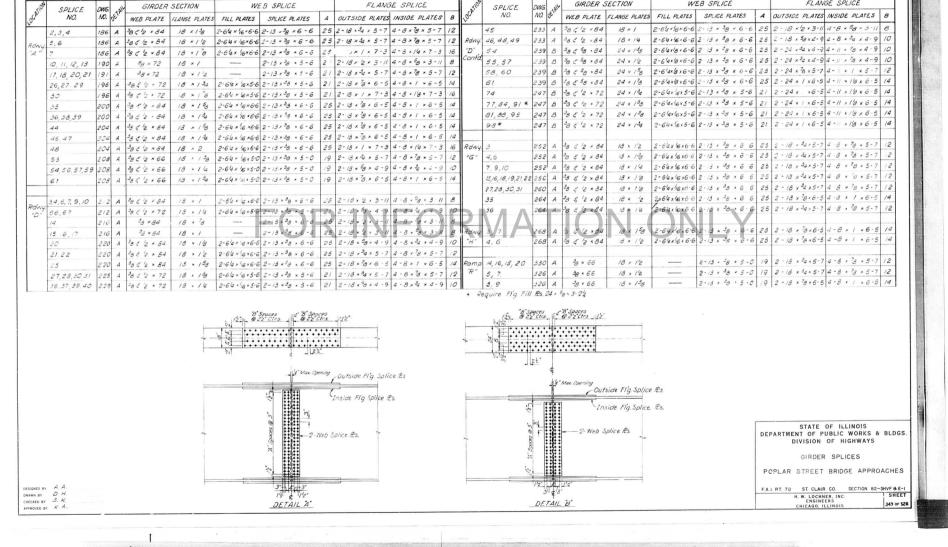












SPLICE

NO.

d

я

FLANGE SPLICE

A OUTSIDE PLATES INSIDE PLATES

GIRDER SECTION

WEB PLATE FLANGE PLATES FILL PLATES SPLICE PLATES

SPLICE

NO.

WEB SPLICE

GIRDER SECTION

WEB PLATE FLANGE PLATES FILL PLATES

WEB SPLICE

SPLICE PLATES

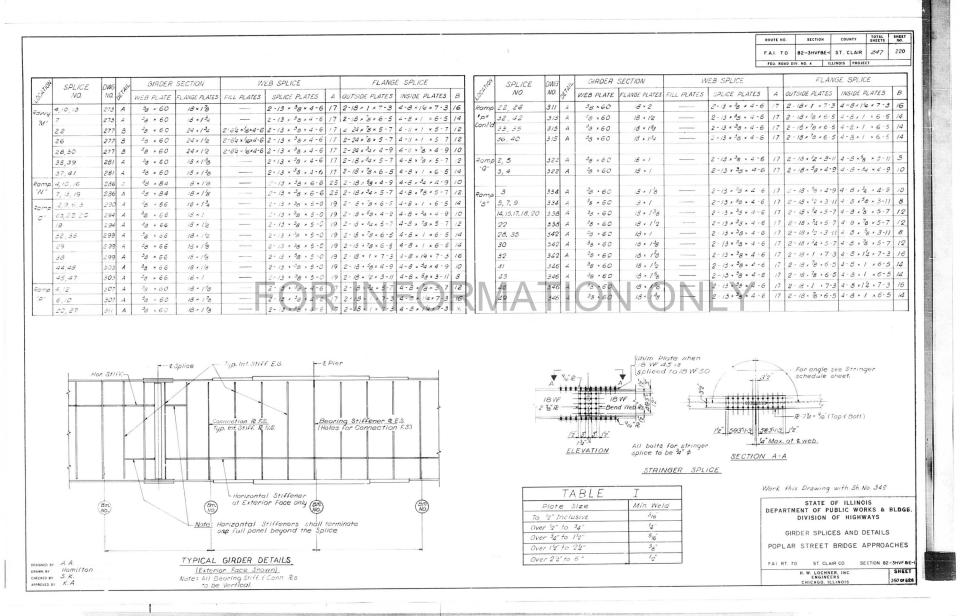
COUNTY TOTAL SHEET NO. BOUTE NO. SECTION 247 82-3HVF&E-I ST. CLAIR 219 F.A.I.-70

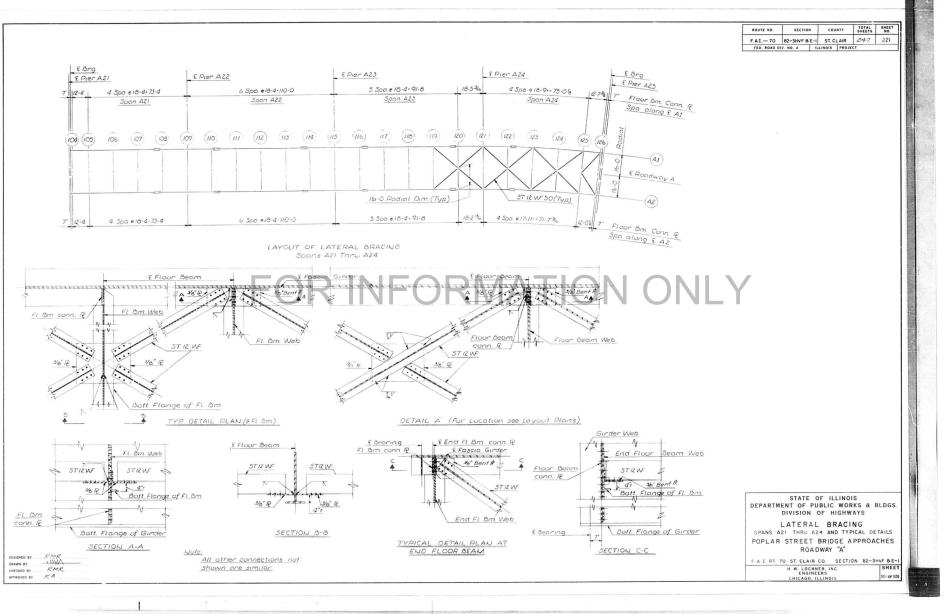
A OUTSIDE PLATES INSIDE PLATES

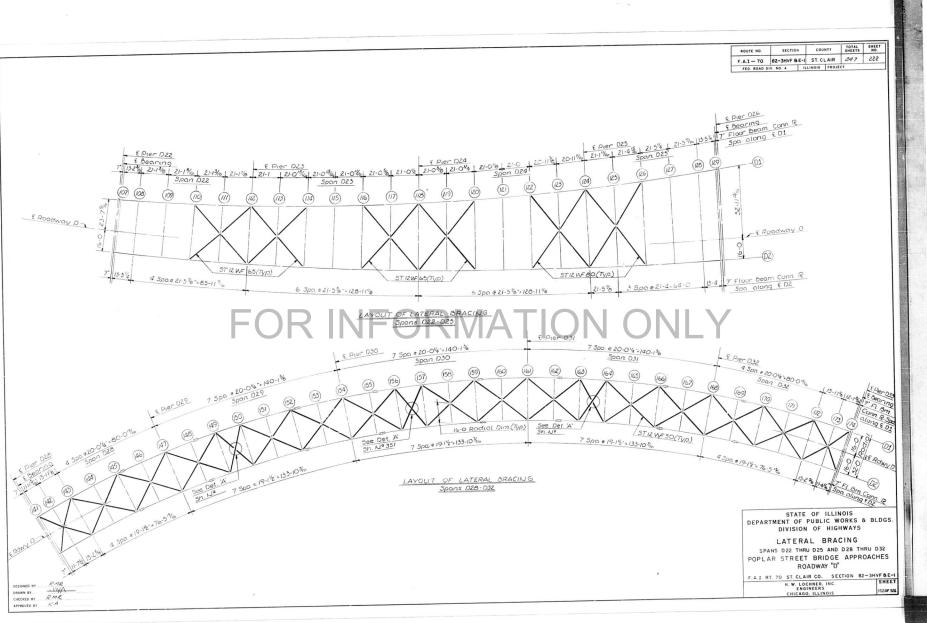
FED. ROAD DIV. NO. 4 ILLINOIS PROJECT

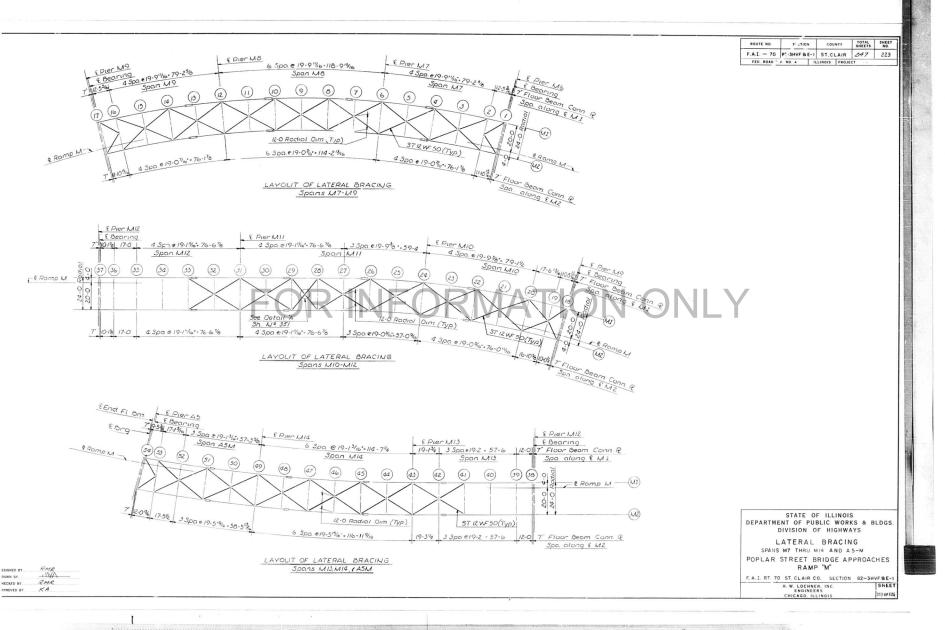
FLANGE SPLICE

B

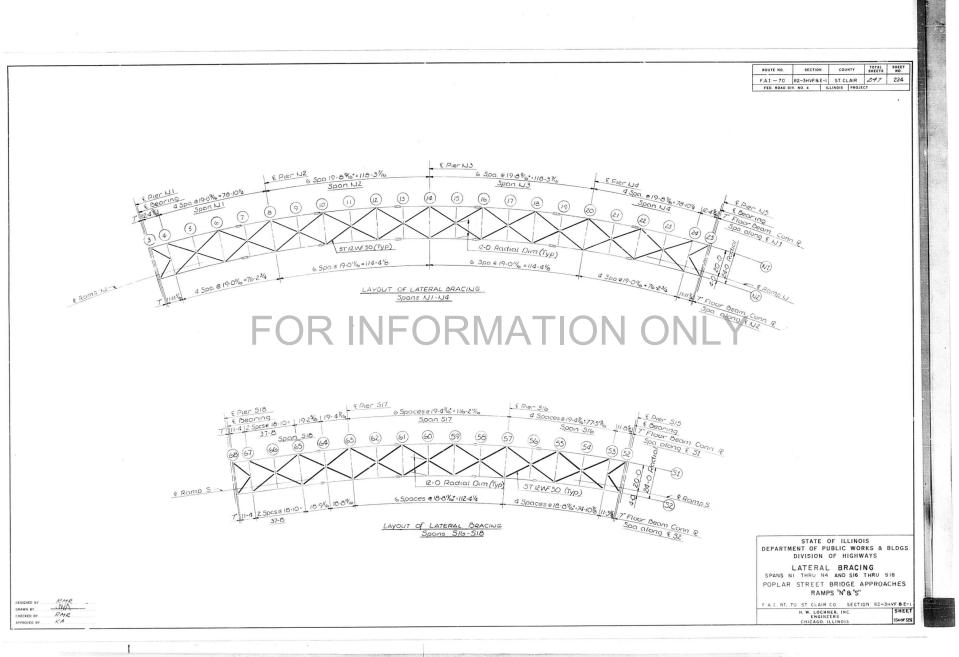


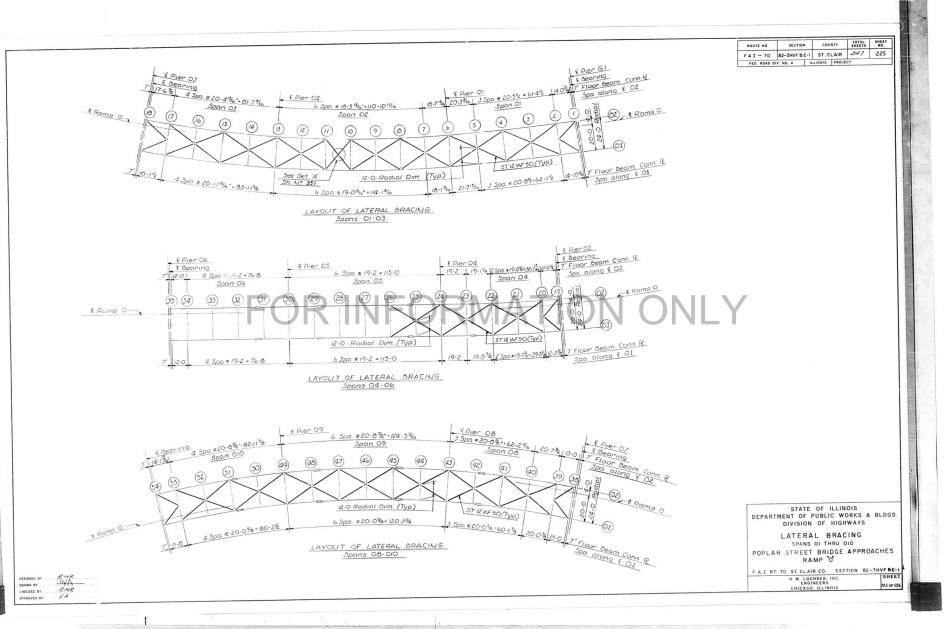




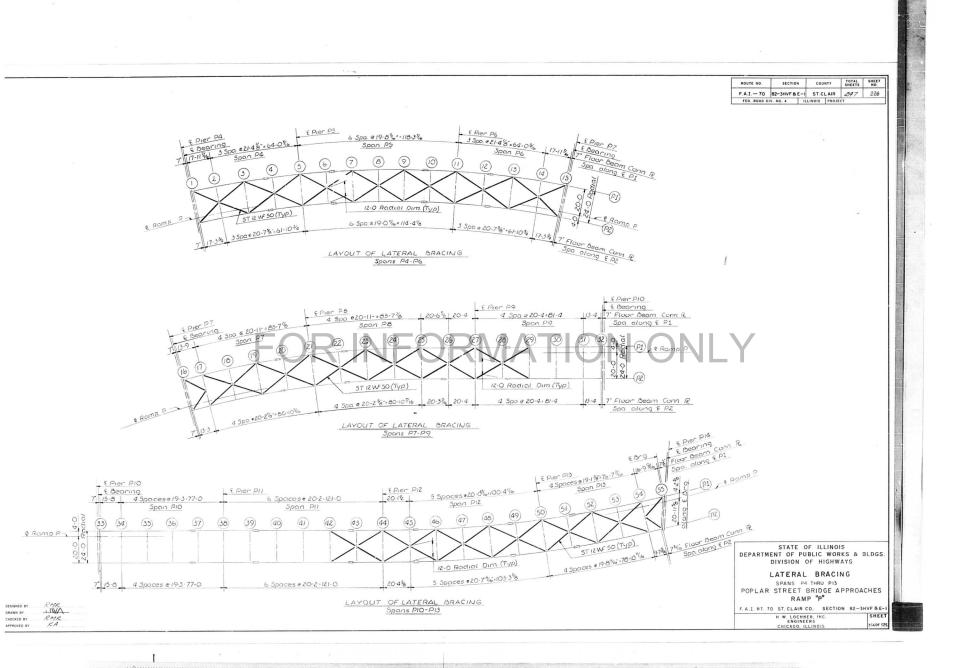


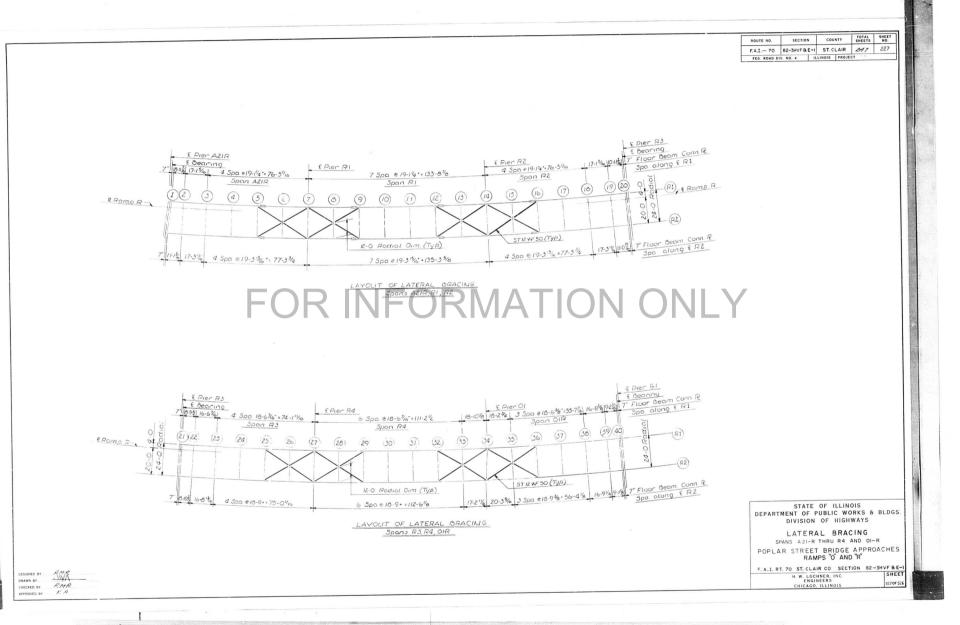
Light in the second s

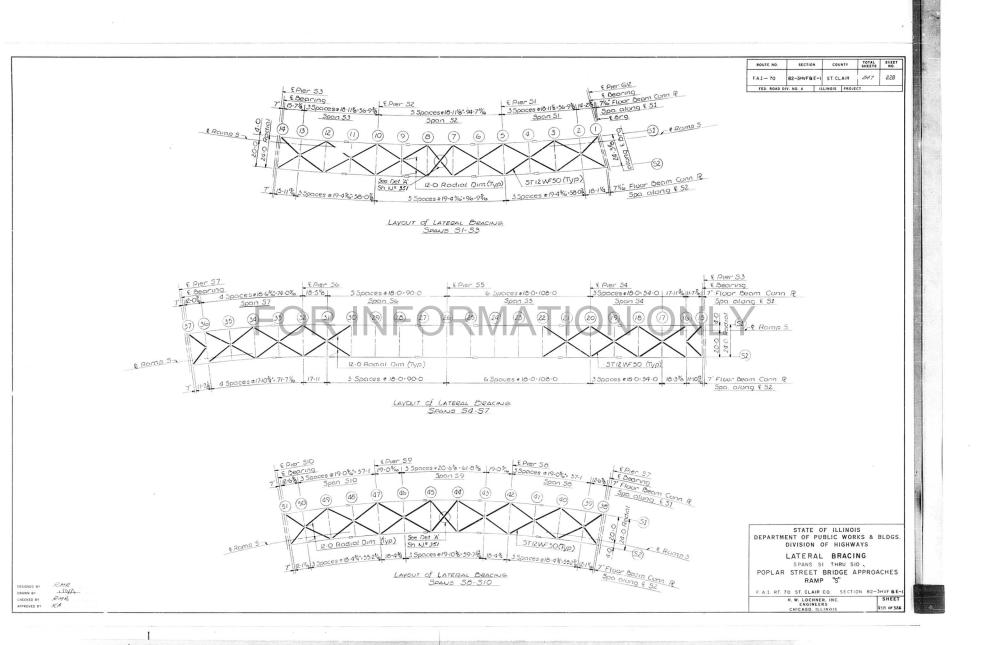


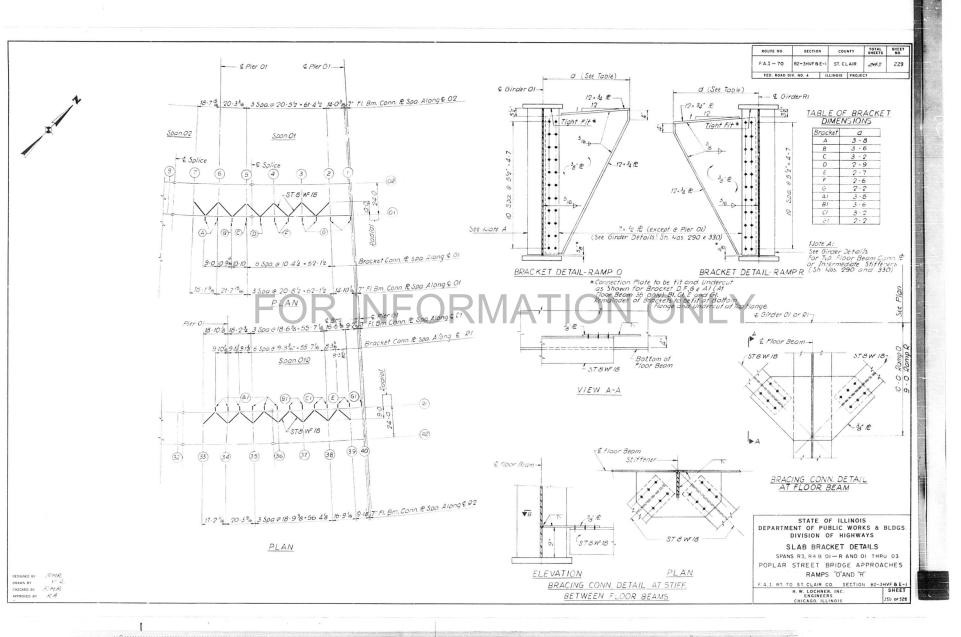


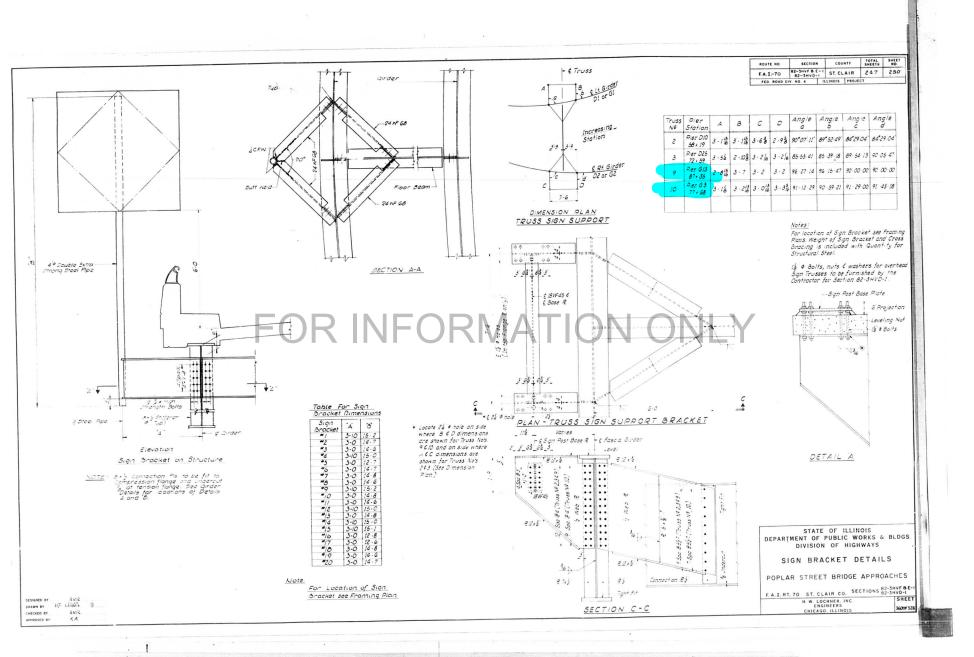
 \backslash

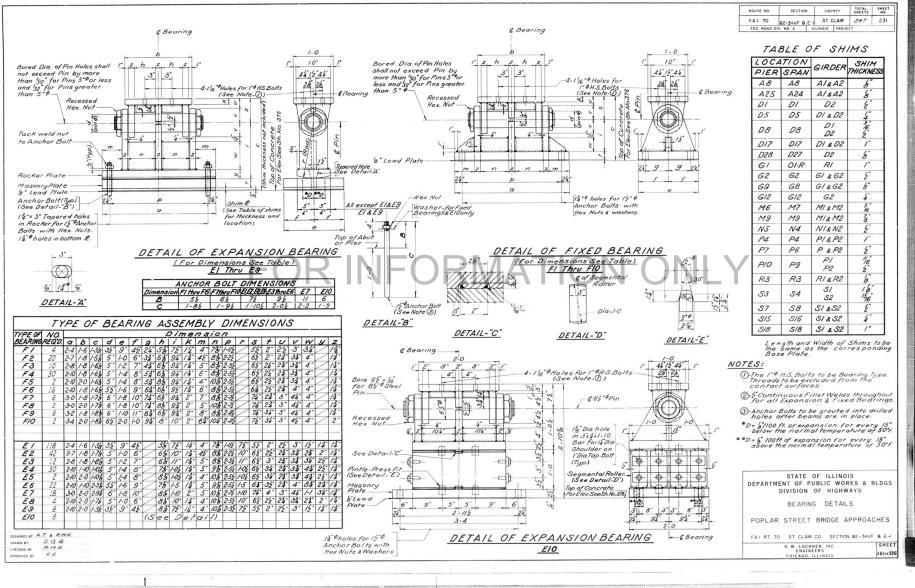




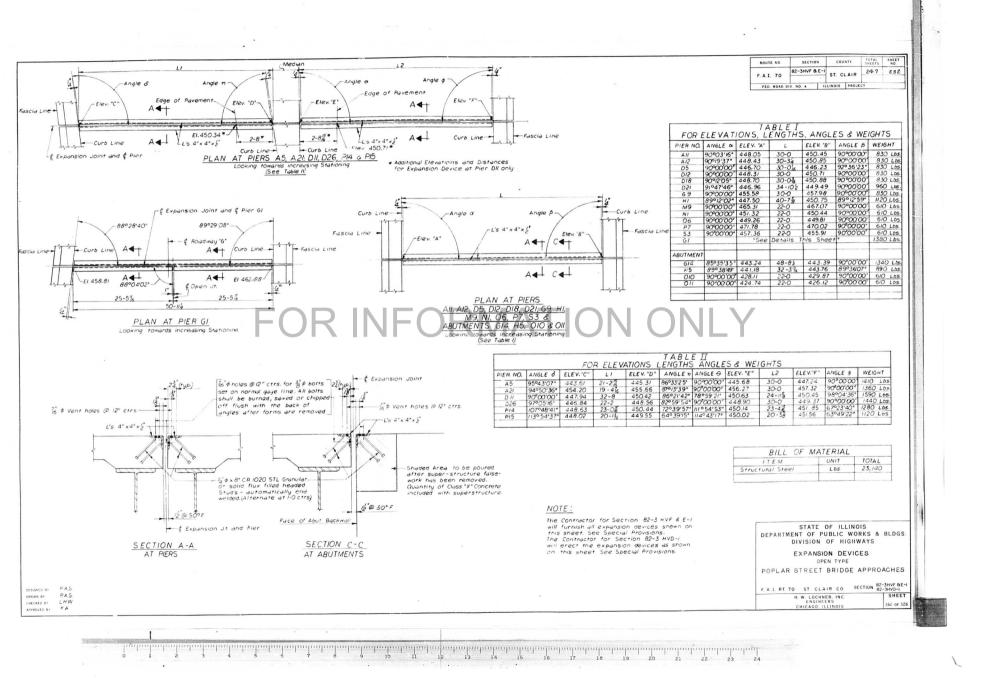


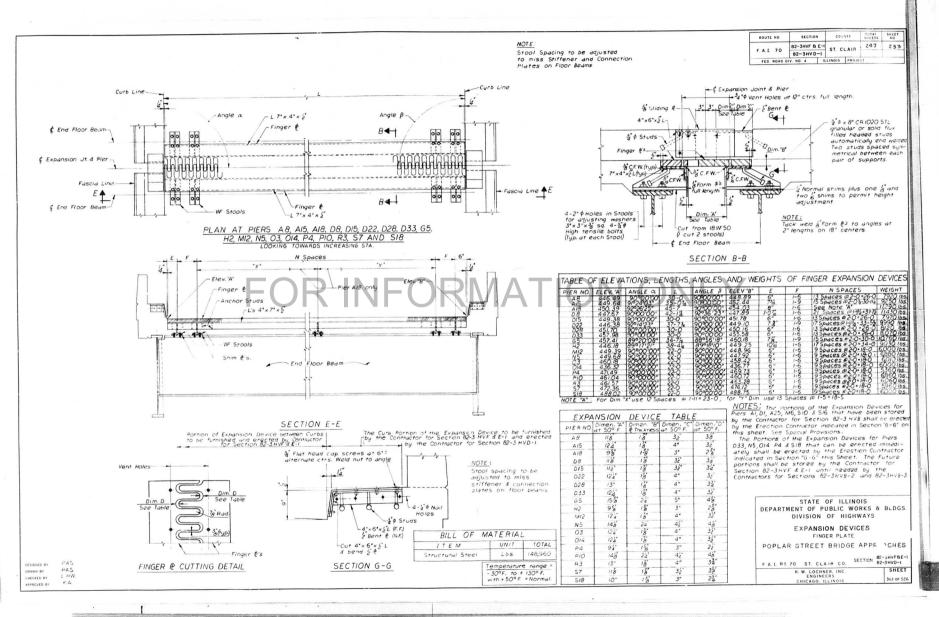


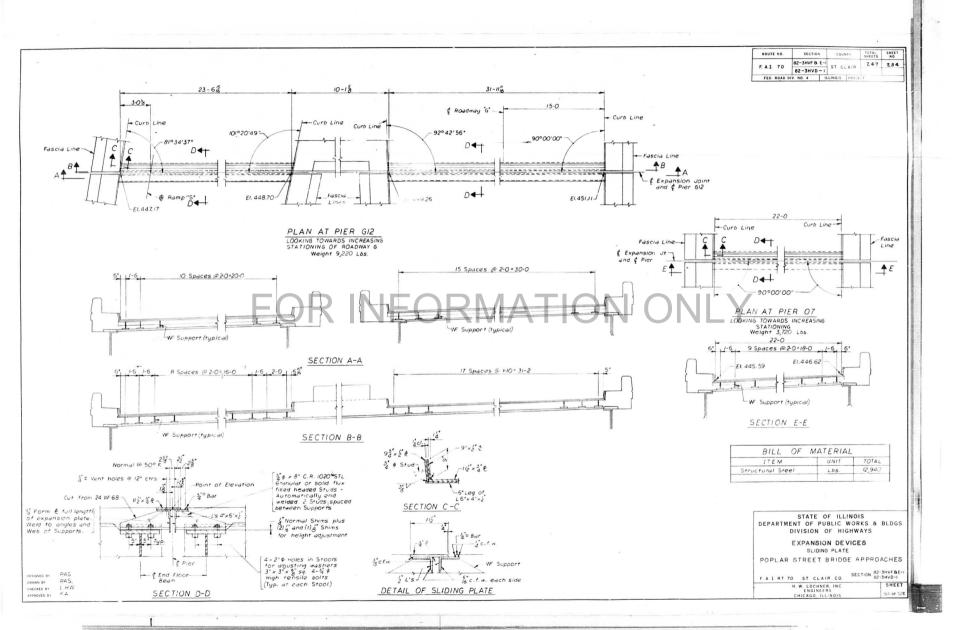




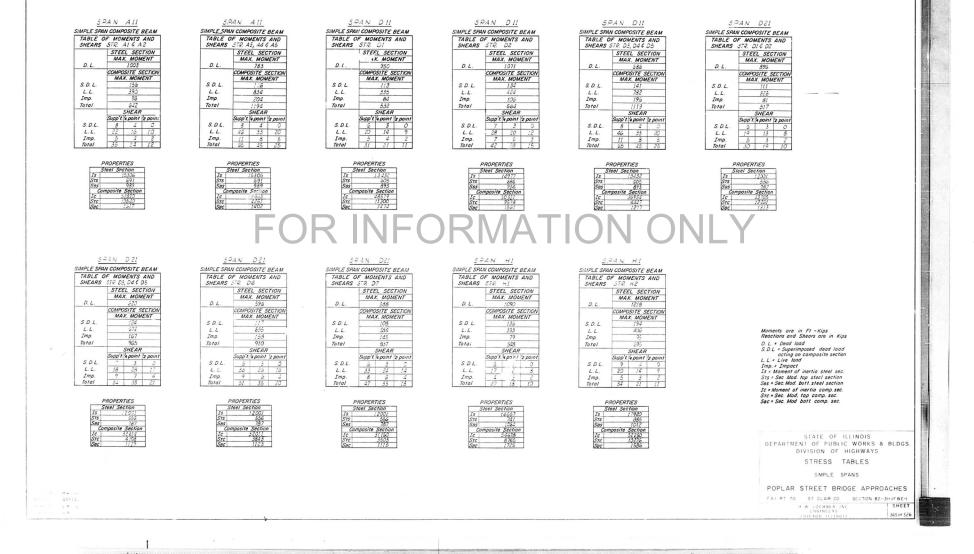
 \mathbf{i}





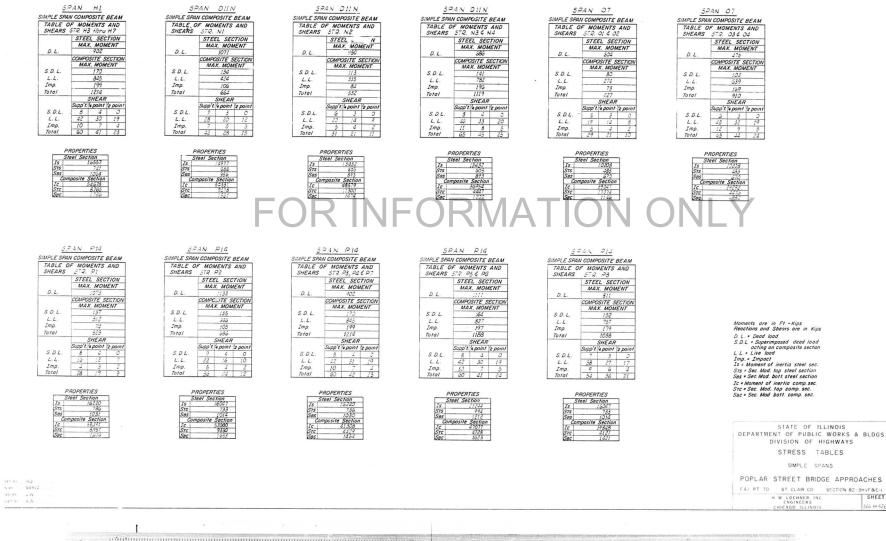


Concert Interest States Income Market Research Interest Income Langer Langer Langer Research Langer Langer Langer		[]]]]]]]]]]]]]]]]]]]
0 1 2 3 4 6 6	7 8 9 10 11 12 13 14 15	
		6 17 18 19 20 21 22 23 24



TOTAL SHEET SHEETS NO ROUTE N OUNTY FA1 70 82-34488E-1 ST CLAIR 247 235 FED ROAD DIT NO & HILMONS PROJECT

ROUTE NO	SECTION	COUNTY	TOTAL	SHEET NO.
FA1 70	82-3HVFBE-I	ST CLAIR	247	236
FED ROAD DI	1 10 4	LLINOIS PR	0/ECT	



SHEET

RUUTE NO	SECTION	COUNTY	SHEETS	SHEET NO.
FA: 70	82-3HVF8E-1	ST CLAIR	247	237
FED ROAD	NO A UNI	INDIS LEROU	CT.	

	End	Floor	seams	- 51	nple :	Spans		
	Spor	A 11	Span	DII	Spon	DIIN	Spon	07
	Floor Br	ns. 51 ¢ 52	Floor Brn	s. 52 ¢ 53	Floor Bra	s. NI ŚNZ	Floor Brn	5.36\$37
Loads	Moment	Reaction	Moment	Reaction	Moment	Reaction	Voment	Reaction
Dead Load	803	76	729	69	385	49	309	39
Live Lood	698	64	705	63	4/5	<i>5</i> 5	400	54
Impact	209	19	212	19	124	17	120	16
Total	1710	159	1645	151	924	121	829	109
Section Modulus	1067	-	981	-	579	-	503	-
	Span	D 21	Span	021	Span	P14	Span	P14
1	Floor Bm. 105		Floor Bm. 106		Floor Bm. 56		Floor Bm. 57	
Loads	Moment	Reaction	Moment	Reaction	Moment	Reaction	Moment	Reaction
Dead Load	1097	106	1226	104	2990	:80	2347	/77
Live Load	880	35	977	84	1230	73	1010	73
impoct	263	26	293	25	340	21	290	21
Total	2240	217	2496	213	1560	274	3647	271
Section Modulos	1365	-	1510	-	2780	-	2235	-
	Span	P15	5 pan	P15	Spon	Ηİ	Span	HI
	F/001 1	3 <i>m. 58</i>	Floor 3m. 59		Floor Brn. 1		Floor 3m. 2	
Loads	Moment	Reaction	Moment	Reaction	Moment	Reaction	Moment	Reactio
Dead Load	1535	107	1163	29	1643	/30	1471	130
Live Lood	950	63	1059	33	1082	36	1009	89
Impact	272	20	317	26	325	25	303	27
Total	2757	195	2539	213	3050	242	2783	246
Section Modulus	1700	-	1630	-	1830	-	1700	-

Moments are in Ft. - Kips Reactions and Shears are in Kips Reactions and Shears are in Kips D.L.* Dead load S.D.L.* Superimposed dead load acting on composite section L.L.* Live load Imp.* Impact Thy.* Impact Srs * Sec. Mod. top steel section Srs * Sec. Mod. Jop steel section Ic = Moment of inertia comp.sec. Src = Sec. Mod. top comp.sec. Sec = Sec. Mod bott. comp. sec.

> STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS STRESS TABLES

SIMPLE SPANS

POPLAR STREET BRIDGE APPROACHES FAI RT. 70 ST. CLAIR CO. SECTION 82-3HVF8E-H. W. LOCHNER. INC. ENGINEERS CHICAGO. ILLINOIS SHEET

595 SHEAR a point 2 point 4 0 14 9 4 2 PROPERTIES Steel Section żΰ Composite Section IC 13735 Src 13735 34766 21406 12261 Sac SPAN PIS SPAN PIS SIMPLE SPAN COMPOSITE BEAM TABLE OF MOMENTS AND SHEARS ST2. PG SIMPLE SPAN COMPOSITE BEAM TABLE OF MOMENTS AND SHEARS 572, P5 STEEL SECTION STEEL SECTION MAX. MOMENT MAX. MOMENT D.L COMPOSITE SECTION MAX. MOMENT COMPOSITE SECTION S. D. L. L.L. Imp. 62. 888 Total SHEAR SHEAR Supp't. 4 point 1/2 point 6 3 0 40 29 13 10 8 5 Supp't 's point 's poin 6 3 0 12 30 18 11 8 5 S.D.L. L.L. Imp. Total PROPERTIES PROPERTIES Steel Section Steel Section 10208 483 10674

TABLE C			AND
SHEARS	STR	P7	
	STE	EL SEC	TION
	MA	X. MON	IENT
D.L.		546	
	COMP	OSITE S	ECTION
	MA	X. MOM	ENT
S. D. L.		!12	
L.L.		633	
Imp.		160	
Total		905	
		SHEAR	
	Supp's	a point	2 poin
S.D.L.	5	3	0
L.L.	38	23	17
Imp.	10	7	1
Total	54	38	21

SPAN PIS

Composite Section 30720





23	To

Total	54
	PROPER Steel Se
Is	
STS	
585	

	An . for .	- 35	23
-	Imp.	10	7
	Total	54	38
		ROPERT	
		ROPERT	

D. L.	-	074	
	COMPOSITE SECTION		
	MAX. MOMENT		
S. D. L.		152	
L.L.		355	-
Imp.		88	
Total		595	
	-	SHEAR	
	Supp't.	4 point	2 point
S.D.L.	3	4	0
L.L.	20	14	9
Imp.	5	4	2
Total	33	22	11

D.L.

SPAN PIS SIMPLE SPAN COMPOSITE BEAM

TABLE OF MOMENTS AND SHEARS STR. P2

STEEL SECTION MAX. MOMENT 894

60 351 SHEAR Supp't a point 'z point 6 <u>3</u> <u>0</u> 18 13 8 5

PROPERTIES Steel Section s 469 s 582 Composite Section

SPAN PIS

SIMPLE SPAN COMPOSITE BEAM

TABLE OF MOMENTS AND SHEARS STR. PI

D.L

S. D. L.

L.L.

Imp.

Total

S. D. L.

L. L.

Imp.

Total

D.L

S.D.L.

L.L.

Imp.

Total

S.D.L.

L. L.

Imp.

Total

Sas

DRAWN BY GRATZ

Composite Section 31346 c 4573

STEEL SECTION MAX. MOMENT

416

COMPOSITE SECTION MAX. MOMENT

L.L. Imp. Total SHEAR Supp't 4 point 2 point S.D.L. 5 3 0 41 29 17 L.L. Imp. 11 Total

D.L

S. D. L.

SPAN PIS

SIMPLE SPAN COMPOSITE BEAM

SHEARS STR. P3

TABLE OF MOMENTS AND

526

TABLE OF MOMENTS AND SHEARS STR. P4 STEEL SECTION MAX. MOMENT 420 MAX. MOMENT D.L. COMPOSITE SECTION MAX. MOMENT COMPOSITE SECTION MAX. MOMENT S. D. L. L.L. Imp. Tota! Supp't. 4 point '2 point G 5 0 42 30 18 S.D.L. L.L. Imp. Total

SPAN PIS

SIMPLE SPAN COMPOSITE BEAM

818

SHEAR

8 11 8 PROPERTIES DRADERTIES Steel Section Steel Section STS SBS Composite Section Ic 26940 STC 3838 SBC 883 s Composite Section 26323 c 4923 c 858

367 OF 526

FOUTE NO	SECTION		COUNTY		TOTAL	SHEET NO.
FA1 70	82-3HVF8E	e.	ST C	AIR	241	238
FED ROAD I	1V. NO. 4	144	NOIS	PROJ	ECT	

					-	· d	inru .	11					
				Мо	mer		inru	~~		Re	act	ion	
Loca	ation	.4 Span A I	.5Span	.5Span A 3	.6 Span A 4	Pier A2	Pier A 3	Pier A 4	Pier A I	Pier A 2	A 3	Pier A 4	Pier A 5
Dead	Primary		1847	2053	2421	4506	4890	5273	133	485	516	564	164
Load	Secondary	-	_	-	41	-		54	-	-	-	2	3
Live	Semary	1565	1676	1735	1600	1845	2070	1910	102	172	181	176	103
Lood	Secondary				27	-	-	20	-	-	-	1	2
Impo	act	377	360	376	387	422	446	430	25	39	39	40	25
Centri	fu qa' Force	_		-	72	-		51	-		_	5	5
Total		3868	3883	4164	4548	6773	7406	7738	260	696	736	788	302
Sectio	on Modulus	2502	2502	2694	3263	4522	4906	5651	-	-		_	
D	ead Lood				13.9			14.9					
	ve loca	_		-	9.1			5.3	1				
001	mpect	_		-	2.2	-		1.3	1				
L AL	otal		-		25.2			21.5	1				
	odulus		_		101.3			182.3	1				

		Spans	A5 th	ru 47		
		M	omei	nt nt	Reac	tion
Loca	tion	.4 Spgn 45 6 Span 47	.5Span A6	Piers A6 & A7	Piers A5 & AB	Piers A6 ¢A;
Dead	Primary	1072	1036	2642	84	308
1000	Secondary	11	10	21	1	/
ive	Primary	968	984	1080	70	108
Losa	Seconaary	10	10	9	1	-
[-7,2	act	240	222	257	18	26
Centr	fugal Force	35	36	39	3	4
Total		2336	2298	4048	177	447
Sectio	n Moaulus	1612	16 12	2579	-	
	and Lood	3.4	3.3	6.9		
00-	re Load	3.0	3.1	2.8		
	moact	0.8	0.7	0.7		
0070	oral	7.2	7.1	10.4		
	ection	54.0	54.0	94.5		

		Spans	AB thi	-U A10		
		M	ome	nt nt	Reac	tior
Loc	ation	.4 Spgn AB .6 Span AlD	.5 Span 49	Piers A9CAIO	Piers AðčAll	Piers A9& All
Dead	Primary	1651	1614	4211	105	387
Loo	d Secondary	17	/6	34	1	1
live	Primary	1300	1310	1650	73	129
Loga	d Secondary	13	13	13	1	-
Im,	pact	295	265	353	17	28
Cent	rifugal Force	47	47	59	Э	5
Tota	1/	3323	3265	6320	200	550
Sect	ion Modulus	2256	2256	4293	-	-
	Dead Load	5.7	5.8	12.2		
00	Live Load	4.5	4.7	4.8		
00	Impact	1.0	1.0	1.0		
1	Total	11.2	11.5	18.0		
7	Section	81.0	81.0	162.0		

FOR INFORMATION ONLY

	Table	of	Mor	ments	and	d R	eocti	015		
			Spa	ns Al	2 thru	A 14				
			MO	mei	7 t		R	eac	+ 1 0 1	7
Loca	ation	.4 Span A/2	.5 Span A /3	.6 Span A 14	Pier Al3	Pier A 14	Pier Al2	Pier A 13	Pier A 14	Pier A 15
Dead	Primary	1914	1883	2042	4331	4519	111.	408	422	118
Loac	Secondary	19	19	20	35	36	1	1	1	1
Live	Primary	1360	1422	1545	1540	/655	74	126	135	83
Load	Secondary	14	/4	/5	12	13	1	-	-	/
Imp	act	305	284	345	328	350	17	27	29	19
Centr	ifugal force	54	51	50	60	56	3	5	5	3
Tota	/	3666	3673	4017	6306	6629	207	567	592	226
Secti	on Modulus	2579	2579	2743	4293	4458	-		-	
000	ead Lood	7.9	7.4	7.6	14.3	14.3				
	ve Load	5.6	5.6	5.8	5.2	5.2	1			
apI	mpact	1.2	1.1	1.3	1.1	1.1	1			
-0-	otal	14.7	14.1	14.7	20.6	20.6				
1 3	ection	94.5	94.5	101.2	162.0	168.8				

		Spar	5 A 15	thru	A17					
		Мо	me	7 +		R	eac	tion	7	
Location	.4 Span A 15	.5 Span A 16	.6 Spon A 17	Pier A 16	Pier A17	Pier A 15	Pier A 16	Pier All	Pier A 18	
esa Primary	2059	2261	2352	4957	5325	123	462	487	138	
oac Secondary	21	23	24	40	43	1	/	1	/	
ve Primary	1675	1710	1730	1980	2035	91	162	165	93	
ad Secc adory	17	17	18	16	16	1	-		7	Moments in Ft-Kips
mpact	378	338	391	420	427	20	34	35	21	Reactions in Kips Section Modulus in In. ³
entrifugal force	56	53	50	65	60	з	5	5	з	
tal	4206	4402	4565	7478	7906	239	664	693	257	
ection Modulus	2878	3070	3070	5090	5283		-	-	_	
Dead Load	7.5	8.3	8.6	16.4	17.6					
CLive Load	6.1	6.2	6.4	6.5	6.7	1				
Impact	1.4	1.2	1.4	1.4	1.4	1				
Total	15.0	15.7	16.4	24.3	25.7	1				STATE OF ILLINOIS
Section Modulus	87.8	94.5	94.5	162.0	168.8]				DEPARTMENT OF PUBLIC WORKS & DIVISION OF HIGHWAYS
										STRESS TABLES
										POPLAR STREET BRIDGE APPROA
										ROADWAY "A"
										FAIRT 70 ST CLAIR CO. SECTION 82-3
										H. W. LOCHNER. INC. ENGINEERS CHICAGO. ILLINOIS

DESIGNED BY E.L. DRAWN BY I.M. CHECKED BY E.L. APPROVED BY K. A.

																							ROUTE N	NO SE	ECTION	COUNTY	TOTAL SI SHEETS
																							FAI 70			ST. CLAIR	247
																								OAD DIV. NO. 4		INOIS PROJE	
Table	e of		ments			eocti	ons						Tabl.					Rea	ctio	ns							
					ru A2	1									Spans	_	hru A	24					·				
 	10		me i		Pier	Pier	Pier	Pier	Pier			4.5000	5.5000	M o	m e n		Pier	Pier	Pier	Re Pier	act. Pier	i on Pier	Pier				
Location	ASpan A 18	A 19	.6 Span A 20	A 19	A 20	A 18	AIS	AZO	AZI		Location	A21	A 22	A23	A24	A22	A23	A 24	A21	A22	A23	A24	A 25				
	2077	2312	2653	4978	5605	/35	507	563	166		Dead Primary	1405	1304	1269		3286	3333	3355	92	336	336	341	96				
Load Secondary	21	23	27	40	45	1	1	1	/		Load Secondary	-		-	59	-	-	48	-	-	-	1	/				
	1640	1800	.1885	'915	2050	98	/7/	183	111		Live Frimary	1162	1186	1186	1187	1304	1501	1400	72	120	125	121	72				
Load Secondary	/6	18	437	15	16	1	37	40	1		Load Secondary	276	252	252	47 290	292	320	18 3/6	- 17	27	27	27	17				
Impact	382 47	371 42	437	424	459 44	23	31	40	20		Impact Centrifugal Force		252	- 252	119	292	520	71			-	4	7				
Centrifugal force Total	4/	4566	5058	7431	8219	261		792	307		Total	2843	2742	2707	3207	4882	5154	5208	181	483	488	495	194				
	2878	3070	3447	5090	5843		-				Section Modulus	1892	1742	1742	2339	3311	3311	3607	-	-	-	-					
Dead Load	6.1	6.3	6.8	11.6	12.2				······		N Dead Load				12.0		-	1.6				-					
JC Live Load	5.0	5.1	5.0	4.7	4.7						3 5- ve 1000	—			9.4			1.0									
o Impact.	1.2	1.1	1.2	1.0	1.0						"Dimpact		-		2.2	-		0.2									
o Total	12.3	12.5	13.0	17.3	17.9						o o Total		-		23.6		.—	2.8									
Nodulus	87.8	94.5	108.0	162.0	189.0						Modulus	-		-	94.5	_		1485									
Table of			and 8 thru		eocti	015					Table of		ons C	s an)5 thr			ions	5		-	Loc	ation	ASpan DI2	5 Span	Piers	Piers	Piers
		me			R	e a c	+101	n	i i				ome					ctio]		Primai	65panD14 ry 1519		3673	DI24 DI5 1 98	361
tion .4 Span. D8	.5 Span. 09	.6 Span D 10	Pier D9	Pier DIO	Pier D8	Pier D9	Pier DIO	Pier D11	í –	Loc	ation 4 Spa D5	оп.5 Spai D6	n .6 Spa. D7	n Pier D6	Pier D7	Pier D5	Pier D6	Dier D7	Pier			Secondar	-	18	35		/
Primary 1580	1950	2010		4620	1/6	457	5/5	147	i i	Dead	Primary 1253				3545	92	358	385	109	1		Primar	-		1435	72	122
Secondary 16	20	20	33	37	-	1	2	2	i i	1	Secondary	-	-	-		-	-		-		Load	Seconda	ry 15	15	15	/	
Primary 1375	1595	1675	1640	1770	93	159	/75	111	i i i	Live	Primary 1180	1375	1340	1395	1487	79	133	143	89		Imp	act	282	260	320	17	27
Secondary 14	16	17	13	14	-	-	1	/	í –		Secondary -	-	-	-		-	-	-	-			ifugal For		47	54	3	5
act 335	345	415	390	420	22	36	40	27	í –	Imp		295	329	323	344	19	30	33	22	-	Total		3094		5532	192	5/6
Fugal Force 41	43	38	47	44	3	5	4	2	1		rifugal force -	-		-				-		-		on Modulu ead Load	and the second s	2090 5.2	3805 10.3		_
336/	3969	4175	6243	6905	234	658	737	290	1	Total	1 2718 ion Modulus 1759	-	3/92	-	5376 3823	-	521	561	220	-	. 0-	ive load		5.2 4.1	4.7	l .	
n Modulus 2135	2695 7.3	2878 7.4	4338	13,9					l	Sech	on modulus 1759	1943	1943	3447	3863					_		mpact	1.0	1.0	1.1	l .	
e Load —	6.0	6.3	5.3	5.6																		otal	10.3	10.3	16.1	l .	
npact —	1.2	1.6	1.2	1.3	1					Г	Table a	of Mc	men	5 an	r Re.	actic	ns				1 7 34	ection	74.3		87.8	l i	
tal —	14.5	15.3	18.9	20.8	1					- H				thru							Based on the local data						
dulus -	81.0	87.8	135.0	148.5	1					- F			ome		T	Rec	ctio	on									
												panD1 55	ipanD2 F	Piers		Piers +	Piers 1	Dier						ST	TATE OF	F ILLINO	
											64	span D4 .55				1¢ 05 D		D3 202					DEPA			F HIGHW	RKS & BL NAYS
															611			363 129								TABLE	
															335	17	27	27					POPI	LAR STE	REET B		APPROACH
																		5/9								YS "A" 8. "D"	
																_	_	_					FALE	RT 70 S	ST CLAIR C	CO SECT	TION 82-3HVF
1.										L_														H. W.	LOCHNER.	INC.	S

369 OF 526

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

designed by \mathcal{E} \mathcal{L} drawn by I M. checked by \mathcal{E} \mathcal{L} approved by \mathcal{K} A.

1

ligikalan halan h

ROUTE NO	SECTION	cou	NTY	TOTAL	SHEET NO.
FA1 70	82-3HVFBE-I	ST. C	LAIR	247	240
FED. ROAD E	IV. NO. 4	LLINOIS	PROJ	ECT	

Reaction

		Spans	D15 t	hru DIT		
		M	me	nt	Reac	tion
200	ation	4SpanDI5 6SpanDI7	5Span DI6	Piers DI6 ¢ DI7		Piers DIGGDI
Dea	d Primary	1361	1308	3256	93	340
100	d Secondary	15	14	14	/	/
Live	e Primary	1140	1131	1302	72	117
1000	d Secondary	14	13	!8	1	-
Im,	a act	273	207	292	17	26
Cent	r lfugal Force	46	45	52	3	5
Toto	2/	2849	2758	4934	/87	489
Sect	tion Modulus	1934	1934	3325	-	-
	Dead Load	2.7	4.1	8.1		
00	Live Lood	2.6	3.9	3.7		
00	Impact	0.6	0.8	0.8		
00	Total	5.9	8.8	12.6		
1	Section	67.5	67.5	121.5		

		of	Moi	Spans	DIB th		eocti 0			
			Мо	me	n t		R	eac	tio.	7
Loco	tion	4 Span	.5 Span D/9	.6Spon D20	Pier D19	Pier D20	Pier DIB	Pier D19	Pier D20	Pier D21
Deod	Primary	:431	1468	1541	3379	3516	97	355	368	103
Loac	Secondary	14	15	15	26	28	1	1	1	1
Live	Primary	1165	1230	1262	1325	/385	73	123	128	78
Load	Secondary	12	12	13	11	11	1			1
Imp	act	278	263	298	304	3/3	/7	28	29	19
Centr	ifugal force	45	45	44	50	49	3	5	5	3
Total		2945	3033	3173	5095	5302	192	512	531	205
Secti	on Modulus	1943	2135	2135	3403	3403	-	-	-	-
00	ead Load	3.8	3.7	3.5	7.2	6.9				
JCLI	ve Load	3.0	3.0	2.9	2.8	2.8	1			
a II	mpact	0.6	0.7	0.6	0.6	0.6	1			
0 To	otal	7.4	7.4	7.0	10.6	10.3	1			
150	odulus	54.0	60.8	60.8	101.3	101.3	1			

	.45panD28 .65panD27		-	-	D26 GD28	D27	-
Dead Lood	1612	3356	_	-	101	353	-
Live Lood	1216	1188	-	-	73	114	
Impact	284	278	-	-	17	27	-
Total	3/12	4822	-		191	494	-
Section Modulus	1934	3003	-	- 1	-		-

Table of Moments and Reactions Spans D26 ¢ D27 Moment

FOR INFORMATION ONLY

			Ta 51	e of	Mom	ents	and	Rea	ctic	ns			
					5p a	ns D	22 th	nru D2	5				
				Мо	mer	7 f				Re	a c t	ion	
Loca	ition	4Span D22	5 Span D 23	.5 J.pan D24	.6 Span D25	Pier D23	Pier D24	Pier D25	Pier D22	Pier D23	Pier D24	Pier D25	Pier D26
Dead	Primary	2367	2641	2898	3374	5873	6941	73/6	/38	528	597	649	189
Load	Secondary	24	29	32	37	53	62	66	/	2	2	2	2
Live	Er mary	1772	1948	2146	2240	2310	2751	2720	93	179	200	211	117
Lood	Secondary	19	21	23	25	22	25	25	1	-	1	1	1
Imp	act	376	379	420	504	484	540	573	21	37	39	44	26
Centri	f_ qal Force	48	46	44	39	58	60	52	3	5	4	4	2
Total		4606	5064	5563	6219	8800	10379	10752	257	751	843	911	337
	on Modulus	3200	3450	3700	4200	5720	6990	7500	-		-	-	-
	ead Lood	8.9	9.9	10.9	12.7	18.1	21.5	22.6					
	ve Lood	6.6	7.4	8.1	8.4	7.2	8.5	8.4					
100	npact	1.4	1.4	1.6	1.9	1.5	1.7	1.8					
0 0 70	otal	16.9	18.7	20.6	23.0	26.8	31.7	328					
131	odulus	132.0	144.0	156.0	180.0	240.0	300.0	324.0					

	Table	e of		nents			eocti	0,13		
				Spans	D28	thru D				
				me			R	eac		7
Loca	otion		55pan D29 55pan D31	.5 Span D30	Piers D29¢D32	Piers D30¢D31	Piers D285D33	Piers D295D32	Piers D30¢D31	
Dead	Primary	2249	2091	2091	5389	5737	122	442	449	-
Loac	Secondary	64	60	60	123	131	3	3	4	-
Live	Primary	1566	1566	1566	2108	2322	77	150	154	-
Load	Secondary	44	44	44	48	53	2	1	/	-
Imp	act	337	299	299	430	144	17	30	29	-
Centr	ifugal force	163	163	163	219	242	8	16	16	-
Total	,	4423	4223	4223	8317	8929	229	642	653	-
Secti	on Modulus	3335	3119	3/19	6023	6239	-	-	—	-
00	ead Load	21.7	20.4	20.4	43.4	45.7				
	ve Load	15.3	15.2	15.2	16.5	18.4				
0°0 II	mpact	3.2	2.9	2.9	33	3.5				
10-	otal	40.2	38.5	38.5	63.2	67.6				
1 30	odulus	168.0	156.0	156.0	312.0	324.0			[DEP

STATE OF ILLINOIS ARTMENT OF PUBLIC WORKS & BLDGS DIVISION OF HIGHWAYS STRESS TABLES

POPLAR STREET BRIDGE APPROACHES

ROADWAY D

FAIRT 70 ST CLAIR CO SECTION 82-3HVF&E-I

SHEET

370 OF 526

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

designed by \mathcal{E} . \mathcal{L} drawn by \mathcal{I} . \mathcal{M} . checked by \mathcal{E} . \mathcal{L} . approved by \mathcal{K} . \mathcal{A} .

ROUTE NO.	SECTIO	DN .	cou	NTY	SHEETS	SHEET NO.
FAL 70	82-3HVF	BE-1	ST C	LAIR	247	241
FED. ROAD D	IV. NO. 4	T IL	INOIS	PROJE	CT	

			Tabl	e of	Mom	ents	and	Red	actio	ns	_		
					Span	s GI	thru G	4					
				Мо	mer	<i>ד ל</i>				Re	a c t	ion	
Loca	ntion	.4 Span Gil	.5 Span G 2	.5 Span G 3	.6 Span G 4	Pier G 2	Pier G3	Pier G4	Pier G1	Pier G2	P. 3 3	Pier G4	Pier G5
Dead	Primary	2090	1900	1793	1671	4673	4630	4053	135	474	453	415	711
Load	Secondary	21	19	18	17	38	37	33	/	1	1	1	1
Live	Primary	1378	1400	1376	1300	1568	1680	1490	83	137	138	132	79
Lood	Secondary	14	14	14	13	13	/3	12	1		-	-	1
Imp	act	324	293	290	303	343	350	329	20	30	29	29	19
Centri	fuga/Force	42	43	42	40	48	52	46	3	4	4	4	2
Toral		3869	3669	3533	3344	6683	6762	5963	243	646	625	581	213
Section	on Modulus	2694	2502	2319	2319	4338	4338	3962	-	-	-	-	-
D	ead load	5.6	5.1	4.8	4.5	10.3	10.1	8.9					
	ve Lood	3.7	3.7	3.7	3.5	3.4	3.7	3.3	1				
001	mpact	0.9	0.8	0.8	0.8	0.8	0.8	07]				
0070	otal	10.2	9.6	9.3	8.8	14.5	14.6	12.9					
	ection	81.0	74.3	67.5	67.5	135.0	135.0	121.5	1				

					Span	s G5	thru	GB					
				Мо	mer	7 <i>t</i>				Re	a c t	ion	
Loca	ation	.4 Span G 5	.5 Span G G	.5 Span G 7	.6 Span G8	Pier 66	Pier G7	Pier G8	Pier G5	Pier 66	Pier G7	Pier G B	Pier G 9
Dead	Primary	1603	1462	1432	1489	3589	3629	3405	105	372	366	355	98
Load	Secondary	16	14	14	15	29	29	27	1	1	1	1	1
ive	Primary	1270	1268	1232	1170	1472	1540	1380	78	131	131	125	73
Load	Secondary	13	/3	/2	12	12	/2	11	7	-	-		/
Imp	act	305	265	263	284	322	336	310	18	29	28	28	/7
Centri	fu gal Force	47	47	45	43	54	57	51	з	5	5	5	3
Total	() () () () () () () () () ()	3254	3069	2998	30/3	5478	5603	5184	206	5 38	531	514	193
	on Modulus	2135	2135	2135	2135	3587	3779	3403	-	-	-	-	-
	ead load	3.6	3.3	3.2	3.5	6.6	6.7	6.6					
	ve Loco	2.8	2.8	2.8	2.7	2.7	2.8	2.6					
500	mpact	0:7	0.6	0.6	0.7	0.6	0.6	0.6]				
000	otal	7./	6.7	6.6	6.9	9.9	10.1	9.8					
- 33	odulus	60.8	60.8	60.8	60.8	108.0	114.8	101.8	1				

FOR INFORMATION ONLY

		Spans	G 9	thru G	//	
		M	ome	nt	Reac	tion
Loc	ation	.4Spgn69 .6SpanGll	.5 \$pan G 10	Piers GIO ¢ G II	Piers 694612	Piers GIO¢GII
Dead	Primary	1511	1532	3837	99	370
Loga	Secondary	- 15	/5	31	1	1
ive	Primary	12/2	1232	1470	73	125
Loga	Secondary	/2	/2	/2	1	-
Imp	act	283	255	327	17	28
Centri	fugal Force	44	42	50	2	4
Total		3077	3088	5727	193	528
Sectio	on Modulus	2135	2135	3823		- '
	and Lond	3.9	4.0	8.1		
000	re Load	3.2	3.1	3.1		
001	mpact	0.7	0.7	0.7		
	otal	7.8	7.8	11.9		
15	ection	60.8	608	121.5		

		Spa	ons GI	2 E G I.	з		
		М	omen	+	Re	acti	on
200	cation	.4 Span G12	.6Span G 13	Pier G 13	Pier G12	Pier G 13	Abut. G 14
Deo	d Primary	1976	1629	4021	145	478	124
200	d Secondary	20	16	32	1	1	/
Livi	e. Primary	1507	1424	1415	107	158	102
200	d Secondary	15	14	11	/	-	1
Im	pact	370	354	345	27	39	25
Cent	rifugai Force	28	26	26	2	з	2
Tot	a!	3916	3463	5850	283	679	255
Sec	tion Modulus	2694	2319	3962	-	-	-
	Dead Load	5.2	4.3	8.7			
00	Live Load	3.9	3.8	3.0			
20	Impact	1.0	0.9	0.8			
00	Total	10.1	9.0	12.5			
17	Section Modulus	81.0	67.5	121.5	1		

			Spans	H2 th	ru H4					
		MO	mer	ד ל		R	eac	tio	7	
Location	.4 Span Н 2	.5 Span H 3	.6 Spon H 4	Pier H3	Pier H4	Pier H2	Pier H3	Pier H4	Abut. H5	
Desa Primary	2175	2053	2012	4936	4736	126	448	433	118	
Looc' Secondary	22	21	21	40	38	1	/	1	/	
Live Primary	1523	15/7	1468	1735	1691	81	140	137	80	
Load Secondary	/5	/5	/5	14	14	1	-	-	1	
Impact	340	300	331	366	360	18	30	29	18	
Centrifugalforce	58	58	56	66	64	з	5	5	з	
Total	4/33	3964	3903	7/57	6903	230	624	605	221	
Section Modulus	2878	2695	2878	4906	4906	-	-	-	-	
Dead Load	8.0	7.6	7.4	14.9	14.2					
JE Live Load	5.5	5.5	5.4	5.2	5.1					
o Impact	1.3	1.1	1.2	1.1	1.1					
o Total	14.8	14.2	14.0	21.2	20.4			STATE	OF ILLINOI	S
Modulus	87.8	81.0	87.8	155.3	155.3	DEF		T OF F	UBLIC WOR	

POPLAR STREET BRIDGE APPROACHES

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

ROADWAYS "G" & "H" FAI RT 70 ST CLAIR CO. SECTION 82-3HVF8E-I

SHEET 371 OF 526

designed by \mathcal{E} \mathcal{L} drawn by \mathcal{I} \mathcal{M} . checked by \mathcal{E} \mathcal{L} approved by \mathcal{K} \mathcal{A} .

. .

ROUTE NO	SECTION		cou	NTY	TOTAL	SHEET NO.
FAL 70	82-3HVF 8	E-I	ST C	LAIR	297	242
FED ROAD D	IV. NO. 4	111	INOIS	PROJ	CT	

		Spans	M7 7F	nru M9		
		M	ome	n t	Reac	tion
Loca	ation	4 Spgn M7 6 Span M9	.5 Span M8		Piers M6 ¢ M9	
Dead	Primary	1372	1327	3386	88	325
Load	Secondary	46	44	9/	3	3
live	Primary	-313	82/	56	50	65
2030	Secondary	27	27	20	2	1
Imp	act	190	171	168	12	14
Centri	fugal Force	122	123	//3	8	10
Total		2570	2513	4534	163	418
Sectio	on Modulus	2242	2104	3452	-	
	ad Lood	16.7	16.2	33.8		
000	ve Load	10.2	10.3	7.6		
00 Ir	mpact	2.2	2.1	/.7		
0070	ta/	29.1	28.6	43.1		
	ection odulus	101.3	94.5	162.0		

		Sp -	- M /	o thru	M 12				
		MO	me	n t		R	eac	+101	7
Location	4 Span M 10	.5 Span M 11	.5 Span MI2	MIO	Dies MII	Pier M9	Pier MIO	Pier MII	Pier M12
Dead Primar	y 1906	1721	1755	4535	4352	104	376	364	98
Loac Seconda	ry 61	55	57	117	112	3	3	3	3
Live Primar	4 982	968	944	1272	1250	51	95	92	48
Load Seconda	y 32	31	30	33	32	2	1	1	2
Impact	209	184	206	261	257	11	19	19	10
Centrifugalfor	ce 147	145	141	191	187	8	14	14	7
Total	3337	3104	3133	6409	6/90	179	508	493	168
Section Module	s 2735	2375	2375	4963	4602		-		-
Dead Load	23.2	21.3	21.8	46.1	44.5				
SCLIVE LOOD	12.4	12.0	11.7	13.2	12.6				
a Impact	2.7	2.3	2.5	2.5	2.5				
o Total	38.3	35.6	36.0	61.8	59.6	_		_	
Modulus	1680	1440	1440	312.0	288.0			Л	Λ -

			MO	mei	τt r		R	eac	+101	7
2000	tion	4 Span M 13	.5 Span M14	.6 Span A5 • M	Pier M 13	Pier Mi4	Pier Mi2	Pier-	Pier MI4	F
Dead	Primary	1265	1326	1226	3256	3224	83	315	314	
Loac	Secondary	21	22	21	44	43	1	1	1	
Live	Primary	782	803	784	956	954	47	82	81	-
Load	Secondary	13	13	13	13	13	1	-	-	
Imp	act	182	167	176	213	211	11	18	18	
Centr	ifugal Force	60	61	60	73	72	4	6	6	
Total		2323	2392	2280	4555	45/7	147	422	420	1
Section	on Modulus	1701	1701	1701	3182	3182	-	-	-	
0 0 De	ead Load	8.2	8.5	7.7	17.3	17.0				
JELI	ve Load	5.0	5.1	5.2	5.1	5.1				
0°0 II	npact	1.2	1.1	1.2	1.1	1.2				
00 To		14.4	14.7	14.1	23.5	23.3				
1 50	odulus	74.3	74.3	74.3	148.5	148.5				

		S,	oons	NI the	0. N4			
			Mom	ent		Re	acti	on
200	ation		5 Span N2 5 Span N3		2.2.4 N3	Piers N.C.NS	Fiers N2CN4	Pier N3
Dec	nd Primary	1385	1302	3390	3512	88	323	326
Loc	ad Secondory	40	37	76	78	2	3	3
Live	Primary	821	836	1026	1112	48	85	86
Loa	d Secondary	23	23	23	25	2	/	,
Im	pact	192	174	226	232	11	19	18
Cen	trifugal force	122	124	152	165	7	13	13
Toto	2/	2583	2496	4893	5124	158	444	447
Sec	tion Modulus	2135	2135	3639	3823		-	-
	Dead Load	10.4	9.8	20.8	21.6			
00	Live Load	6.1	6.3	6.3	6.9	1		
r gu ndin	Impact	1.5	1.3	1.4	1.4	1		
100		18.0	17.4	28.5	29.9	1		
	Section Modulus	60.8	60.8	114,8	121.5			

			Spai	ns D2	6.9 th	nru Q2				
			Mo	mei	7 +		R	eac	tion	7
2000	tion	4 Span D26•Q	S Span Q I	.6 Spon Q 2	Pier Q1	Pier 02	Pier D26	Pier Q1	Pier Q2	Pier Pi4
Dead	Primary	936	\$70	935	2460	2320	73	271	264	72
Loac	Secondary	11	10	10	21	20	1	1	1	1
Live	Primary	668	675	660	711	724	46	72	72	46
Load	Secondary	8	7	7	6	6	1		-	1
Imp	act	/7/	151	164	179	171	11	17	17	11
Centr	ifugal force	33	33	33	35	36	2	4	4	2
Total		1827	1846	1809	3412	3277	134	365	358	133
	on Modulus	1298	1298	1298	2373	2242	-		-	-
0000	ad Load	4.2	4.3	4.2	8.8	8.4				
JSLI	ve Load	2.9	3.0	2.9	2.8	2.6				
abli	mpact	0.7	0.6	0.7	0.6	0.6				
	otal	7.8	7.9	7.8	12.2	11.6				
V SG	odulus	54.0	54.0	54.0	108.0	101.3				

STATE OF ILLING DEPARTMENT OF PUBLIC WORK DIVISION OF HIGHWA	S & BLDGS.
STRESS TABLES	
POPLAR STREET BRIDGE AP	PROACHES
RAMP "M","N" & "Q"	
FAIRT 70 ST CLAIR CO SECTIO	* 82-3HVF8E-I
H. W. LOCHNER, INC.	SHEET
CHICAGO, ILLINOIS	372 OF 526

designed by \mathcal{E} . \mathcal{L} drawn by \mathcal{I} . \mathcal{M} checked by \mathcal{E} . \mathcal{L} approved by \mathcal{K} . \mathcal{A} .

ROUTE NO	SECTION	COUNTY	TOTAL	SHEET NO.
FA1 70	82-3HVF 8E-1	ST CLAIR	247	243

FED. ROAD DIV. NO 4 ILLINOIS PROJECT

			Spa	73 01	thru	03				
			Мо	mei	ז ל		R	eac	tion	7
Locor	tion	.4 Span 01	.5 Span 0 2	.6 Span 03	Pier 01	Pier 02	GI	Pier 01	Pier 02	Pier 03
Deod	Primary	1620	1680	/685	4/24	4268	94	356	360	96
Load	Secondary	38	39	40	78	81	2	2	2	2
Live	Primary	903	945	941	1171	1211	48	89	90	49
1000	Secondary	21	22	22	22	23	1	1	/	1
Impe	act	200	185	208	245	164	10	19	19	10
Centri	ifugal force	101	106	105	132	136	5	10	10	5
Total		2883	2977	300/	5772	5883	160	477	482	163
Sectio	n Modulus	2188	2339	2339	4090	4236	-	-		-
De	ad Load	14.5	12.9	15.1	30.2	31.2				
	ve Load	8.0	7.3	8.3	8.6	8.9	1			
00 Ir	mpact	1.8	1.3	1.9	1.7	1.8				
	tal	24.3	21.5	25.3	40.5	41.9				
- 150	odulus	87.8	94.5	94.5	175.5	182.3				

			Spar	75 04	thru	06				
			MO	mer	7 <i>f</i>		R	eac	+101	7
Loc	ation	.4 Span 04	.5 <i>8pan</i> 05	6Span 06	Pier 04	Pier 05	Pier 03	Pier 04	Pier 05	Pie. 06
Dead	Primary	1296	1258	1280	3205	3/50	84	312	308	83
Loac	Secondary	31	-	-	62	-	2	/	-	-
Live	Primary	783	793	775	944	931	47	81	80	46
Logo	Secondary	19	-	_	18	_	/		-	-
Imp		182	164	180	208	206	11	18	/7	11
Centi	-ifugal force	104	-	-	75	-	6	6	-	-
Tota		2415	2215	2235	4512	4287	151	418	405	140
Sect	ion Modulus	2043	1452	1452	3227	2931	-	-	-	
00	lead Load	10.7	-	-	21.7	-				
	ive Load	6.5		-	6.4	-	1			
001	mpact	1.5	-		1.4	-	1			
007	otal	18.7	-	-	29.5	-				
1 15	lection lodulus	81.0	-	-	135.0	-				

FOR INFORMATION ONLY

	Table	of	Mor	ments	and	1 R	eocti	015		
			Spar	ns 08	thru	010				
			MO	mer	7 <i>†</i>		R	e a c	+10	n
Loca	ntion	4 Span 0 8	5Span 09	.6 Span 0 /0	Pier 03	Pier C9	Pier 07	Pier 08	Pier 09	Abut. 010
Dead	Primary	1512	1451	1550	3725	3778	92	338	340	93
Loac	Secondary	42	41	42	83	84	2	3	3	2
Live	Primary	871	881	894	1081	1096	48	86	87	49
Load	Secondary	24	24	24	24	24	1	1	1	1
Imp		197	179	202	233	236	11	19	19	11
Centr	ifugal force	116	117	118	144	146	7	11	12	7
Total	,	2762	2693	2830	5290	5364	161	458	462	163
Secti	on Modulus	2188	2043	2188	3972	3972	-	-	-	-
. 00	ead Load	15.9	15.3	16.2	32.3	32.7				
	ve Load	9.2	9.2	9.3	9.3	9.5	1			
apI	mpact	2.1	1.9	2.1	2.0	2.0				
Cot	otal	27.2	26.4	27.6	43.6	44.2				
- 15	ections	87.8	81.0	87.8	168.8	/68.8				

designed by $\mathcal{E} \mathcal{L}$ drawn by $\mathcal{I} \mathcal{M}$ checked by $\mathcal{E} \mathcal{L}$ approved by \mathcal{K}, \mathcal{A}

	Table	e of	Mo	ments	and	d R	eocti	015		
			Spor	ns 012	third	014				
			Mo	mer	τt		R	eac	tior	7
Loca	tion	.45pan 0/2	5Span 013	.6 Span 0 14	Pier 012	Pier 013	Abut. 011	Pier 012	Pier 013	Pier 014
Dead	Primary	1448	1367	1417	3598	3493	89	327	325	88
Loac	Secondary	-	-	-		-	-	-	-	-
Live	Primary	845	834	826	1028	1015	48	84	83	47
Load	Secondary		-	-		-	-	-	-	-
Imp	act	193	170	189	223	220	11	18	18	11
Centr	ifugal force	-	-	-	-	-	-	-	-	
Total		2486	2371	2432	4849	4728	148	429	426	146
Secti	on Modulus	1603	1452	1603	3227	3227	-	-		-

•

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS STRESS TABLES POPLAR STREET BRIDGE APPROACHES

RAMP "0"

FAL RT 70 ST CLAIR CO SECTION 82-3HVF BE-1 H. W. LOCHNER, INC ENGINEERS CHICAGO, ILLINDIS 373 or 526

ROUTE NO	SECTION	×	cou	NTY	TOTAL	SHEET NO.
FAI 70	82-3HVF 8	E-1	ST C	LAIR	247	244
FED. ROAD	DIV. NO 4	ILL	INOIS	PROJE	CT	

		Spans	P4 th	ru P6		
		M	ome	nt	Reac	tion
Loca	tion	ASpan P4 65pan P6	.5 Span P5		Piers P4 & P7	
Dead	Primary	974	1650	3030	74	306
Load	Secondary	28	48	69	2	2
Live	Primary	743	859	883	48	80
Load	Secondary	22	24	20	/	5
Imp	act	180	179	199	12	18
Centri	fugal Force	95	110	113	6	10
Total		2042	2870	4314	143	421
Sectio	n Modulus	1701	2242	3182	-	_
D	and Lood	12.5	18.0	27.2		
00-	re Load	9.5	9.4	7.8		
00 In	mpact	2.3	1.9	1.8		
0070		24.3	29.3	36.8		
VS	odulus	74.3	101.3	148.5		

	Table	e of	Mor	ments	an	d R	eacti	0 ~ 5		
		-	Spa	ns P7	th.	ru P	9			
			Мо	mer	7 <i>†</i>		R	eac	+101	7
Loca	ation	.4 Span P 7	.5 Span PB	.6 <i>Span</i> P9	PB	Pier P9	Pier P7	Pier P8	Pier	Pier Pio
Dead	Primary	1638	1666	1540	3600	3482	94	335	329	91
Loac	Secondary	46	52	44	97	94	2	2	2	2
Live	Primary	894	918	863	1028	1012	48	85	84	47
Load	Secondary	25	25	25	23	22	2	1	1	/
Imp	act	199	177	196	212	210	11	18	18	il
Centr	ifugal Force	114	118	110	132	130	6	11	11	6
Total	1	2916	2956	2778	5092	4950	163	452	445	158
Secti	on Modulus	2242	2373	2104	37/5	3715	_		-	
000	ead Load	20.0	20.0	19.0	. 36.6	35.6			A	
	ve Load	11.1	11.2	10.6	10.1	9.8	× 1			
0° I	mpact	2.5	2.3	2.4	2.2	2.1				
~ N	otai	33.6	33.5	32.0	48.9	47.5	1			
1 50 M	odulus	101.3	108.0	94.5	175.5	175.5	1			

			Tab/	e of	Mom	ents	and	Rea	ctio	ns			
					Spans	PIC	o thr	-U P13					
				MO	mer	7 +				Re	act.	ion	
2000	ation	.4Span PIO	.5Span P	.5Span PI2	.6 <i>Span</i> PI3	Pier Pll	Pier Pi2	Pier P13	Pier Pi0	Pier Pil	Pier Pl2	Pier Pi3	Pier P14
Dead	Primary	1420	1450	1507	1399	3461	3756	3443	88	322	332	322	88
Load	Secondary	-	36	36	35	69	72	69	-		2	2	2
Live	Sr mary	830	845	86/	829	1060	//68	1068	48	85	89	85	48
Lood	Secondary		21	22	21	21	23	21	-	-	5	5	/
Impo	act	187	172	171	187	229	236	218	11	18	18	18	11
Centri	fugal Force	-	93	95	9/	116	128	117		-	10	9	5
Total		2437	2617	2692	2562	4956	5383	4936	147	425	456	441	155
Sectio	on Medulus	1835	1970	2104	1835	3452	3715	3452	-	-	-	-	-
000	ead Load	-	13.6	14.6	12.3	27.7	29.7	28.7					
	ve 1000	-	9.6	9.2	7.3	8.7	9.6	8.7					
a-11	npact	-	1.7	/.8	1.6	1.9	1.9	1.9					
	otal	-	24.9	25.6	21.2	38.3	41.2	39.3					
130	odulus	-	87.8	94.5	81.0	162.0	175.5	162.0					

FOR INFORMATION ONLY

	Table	e of	Mor	ments	and	r R	eocti	ons		
			Spa	ins S	1 thr	U 53				
			Мо	mer	r t		R	eac	tion	7
2000	ation	4 Span S I	.5 Span S 2	.6 Span 5 3	Pier S1	Pier 52	2121 6 2	200	Pie : 52	P.e. 53
Dead	Primary	939	881	906	2295	2237	72	263	257	70
Looc	Secondary	/7	16	/7	34	33	1	/	1	1
Live	Primary	668	637	644	725	706	46	72	71	45
Lood	Secondary	12	12	12	11	10	1	-	-	1
Impo	act	169	145	163	174	169	11	17	17	11
Centr	ifugal force	56	54	54	6/	59	4	6	6	4
Total	0	1861	1745	1796	3300	3214	135	359	352	132
Section	on Modulus	1433	1298	1298	2373	2373	-	-	-	-
00 De	ad Lood	6.5	6.1	6.3	13.4	13.0				
	ve Load	4.6	4.3	4.4	3.9	3.8				
	mpact	1.2	1.0	1.2	1.0	0.9				
0 10	otal	12.3	11.4	11.9	18.3	17.7				
- Se	odulus	60.8	54.0	54.0	108.0	108.0				

			MO	men	n <i>†</i>				Re	a c t	ion		
Location	.4 Spon 54	.5 Span S 5	.5 Span 56	.6 Span 5 7	Pier 54	Pier S5	Pier 56	Pier S3	Pier 54	Pier S 5	Pier 56	Pier 57	
Dead Primary	1156	1069	1069	1224	2790	2858	2875	79	289	290	294	81	
oad Secondary	, 33	-	15	35	32	-	66	2	2	-	2	2	
ive Fr tory	729	738	738	774	879	947	906	46	78	80	80	48	
Load Secondary	4 21		10	22	10	_	21	/	-	-		1	
Impact	174	158	158	185	200	203	209	//	18	17	18	11	
lentrifu qa'Ford	e 93	-	47	99	56	-	116	6	5		10	6	
Total	2206	1965	2037	2339	3967	4008	4193	145	392	387	404	149	
Section Modulus	s 1701	1701	1701	1835	3044	3182	3182		-	-	_	-	
Dead Lood	11.2	-	5.2	11.9	11.1	-	22.9						
C-ive loca	7./	-	3.6	7.5	3.4	-	7.6						
* 0 impact	1.7	-	0.8	1.8	0.8	-	1.7				ST	ATE OF	ILLINOIS
	20.0	-	9.6	21.2	15.3	-	32.2			DEPAR	TMENT	OF PUB	LIC WORKS & BL
Total Section Modulus				81.0	141.8		148.5						

designed by \mathcal{E} \mathcal{L} drawn by \mathcal{I} \mathcal{M} . checked by \mathcal{E} \mathcal{L} APPROVED BY K. A.

RO E N	0	SECTION	cou	NTY	TOTAL SHEETS	SHEET NO.
F 4.1 70	8	2-3HVF BE	-I ST C	LAIR	247	245
FEC PO	AD DIV N	0.4	ILLINOIS	PROJEC	T	

			Span	3 R3	thru	01-R				
			MO	me	nt r		R	eac	+10	n
Locat	ion	4 Span R 3	5Span R4	.6 Span OI R	Pier R4	Pier 01	Pier R3	Pier R4	Pie - 01	G I
Deod	Primary	1746	18 18	1810	3885	3970	97	352	354	99
1000	Secondary	17	18	18	31	32	/	/	1	1
Live	Primary	946	948	980	1083	1110	48	38	88	49
Load	Secondary	9	10	10	9	9	1	-		1
Impe	act.	210	186	218	227	232	11	18	18	11
Centri	fugal Force	43	43	44	49	50	2	4	4	2
Total		2971	3023	3080	5289	5403	160	463	465	163
	n Modulus	2043	2043	2043	3523	3523	-	-	-	-
. o De	ad Lead	5.6	5.7	5.8	10.1	10.3				
JELIV	e Load	3.0	3.0	3.1	2.9	29				
abin	npact	0.5	0.6	0.5	0.6	0.6				
	tal	9.1	9.3	9.4	13.6	13.8				
150	odulus	81.0	81.0	31.0	148.5	148.5				

			MO	mer	7 <i>†</i>		R	eac	tion	7
Loca	ntion	.4 Span A 21-R	.5 Span RI	6Span R 2	Pier R1	Pier R2	Pier AZI	Pier R1	Pier R2	P/A R
Dead	Primary	1822	1691	1841	4420	4432	100	364	365	10
100C	Secondary	18	17	18	35	36	Γ	1	1	/
Live	Primary	989	960	972	1265	1255	48	92	92	4.
Lead	Secondary	9	10	10	10	10	1	-	-	1
Imp	act	217	185	210	262	258	11	19	19	11
Centr	ifugal force	44	43	44	52	54	2	4	4	2
Total	1	3099	2906	3095	6044	6045	163	480	481	16
	on Modulus	2188	2043	2188	4117	4117		_	_	-
000	ead Loga	6.1	5.7	6.2	12.1	12 2				
	ve Load	.7.3	3.2	3.2	3.5	34				
001	mpact	0.7	0.6	0.7	0.7	0.7				
	otal	10.1	9.5	. 10.1	16.3	16.3				
1 54	ection.	87.8	81.0	87.8 .	175.5	/75.5				

FOR INFORMATION ONLY

	54	oans S	8 thru	510		
		M	ome	nt	Reac	tion
Loc	ation	.45pgn 58 6 5pan510	.5 Span 89	P.e.rs 586 59	Piers S7¢510	2 ers 58 c 59
Deal	d Primary	7/4	1165	2150	63	258
600	d Secondary	20	34	50	2	2
ive	Primary	617	689	661	46	70
1030	secondary	/7	20	/5	1	-
Im.	pact	157	/54	/61	/2	/7
Centr	· ·ugai Force	79	88	85	6	9
Toto	1	1604	2150	3122	130	356
Sect	ion Modulus	1298	1701	2242	-	
2	Dead Load	7./	14.0	8.0		
00	ive Load	6.2	8.2	5.4		
00.	Impact	1.6	1.9	/. Э		
	Total	/4.9	24.1	24.7		
7	Section	54.0	74.3	101.3		

				Spans	316 th	ru 518				
			Mo	me	7 7		R	eac	+101	7
Loca	nt on	4 Span 516	.5 Span S 17	.6522 n S/8	Pie - 5/6	Pier SI7	Pier S15	Pier S16	Pier SI7	Pier S18
Deaa	Primary	1305	1328	1259	3183	3125	84	311	308	83
1000	Secondary	37	38	36	73	12	2	2	2	2
Live	Primary	810	828	780	948	931	48	82	81	47
Load	Secondary	23	23	22	21	21	2	1	1	2
Ima	act	192	173	185	212	208	11	18	18	11
Centr	ifugal force	104	106	100	121	119	6	10	10	з
Total		2471	2496	2382	4558	4476	153	424	420	148
Section	on Modulus	1835	1970	1835	3320	3320	-	-	-	-
000	ead Loaa	14.1	14.3	136	28.0	275				
	ve Load	8.7	8.9	8.4	8.4	8.2				
op II	mpact	2.0	1.9	1.9	1.9	1.9				
00 70	otai	24.8	25.1	23.9	38.3	37.6				
- J 50	odulus	81.0	87.8	81.0	/55.3	155.3				

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS & BLDGS. DIVISION OF HIGHWAYS STRESS TABLES POPLAR STREET BRIDGE APPROACHES

RAMPS "R"8"S"

FAL RT 70 ST CLAIR CO SECTION 82-3HVF&E-I H. W. LOCHNER. INC ENGINEERS CHICAGO. ILLINOIS

SHEET

375 OF 526

DESIGNED BY E L. DRAWN BY I M CHECKED BY E L

PPROVED BY & A

	and and and and and and and and	I		փակակակակությո	որուրուրուրուր	and and and and and and and and and and	unhunhunk
0 1 2 3 4	5 6 7 8	9 10	11 12 13	14 15 16	17 18	19 20 21 2	2 23 24
			1 4 1 1 4 A	· · · ·			

21-Span A 21	610.51	447.74	D21-1200 D21	437.63	440.29
22	451.09	451.40	222 Sour 021	336.70	439.57
23	154.57	453.85	022-SDan 022	-30 70	439.57
1	458 39	456.00	4 23	133 13	187.55
25-Span + 24	202.0	459.54	024	433 . 37	437.36
co opun a ra			.225	435.28	139.08
			226-Soon D25	437.16	439.79
			D26-Span D26	440.66	439.79
			027	441.71	441.13
			028 Span 027	43.50	641.85
			D23-Span D 28	443.50	221.85
P.A.	MP M		229	443.31	440.75
	Strat	5.4*	030	111.67	442.11
Pier No -	11/	M.2	031	147.16	444 . 60
15 - Span M7	670.48	468.36	032	447.42	111.86
M7	427.78	165.86	033-Spon 032	449.80	647.24
118	463.79	161.87			
19-Span M9	459.85	457.93			
19-52an MIO	459 85	257.93			
10	154.00	462.30			
***	146.10	445.56			
112-5200 M12	661.66	662.6			
12-Span N.13	461.66	462.14	R	AMP N	
1/3	437.90	439.25		Gire	1-r
	436.00	437.92	Pier Vo -	NI	N 2
14 2-5pan 45M	133.94	437.32	DII Span D"N	11.09	442.35
			V'- Span DIT K	442.09	337.13
			NI-Span VI	222.09	441 . 13
			N2	442.37	:10 63
			N3	141.61	439.39
			N4		
				440 52	438.70
					438.54
R	AMP R		K5-Span N4	440 32 440.46	
	AMP R Gira	ler .			
Fler Vo.	Gira	R2			
Fier No.	Gira R1 -44.51	R 2 448.22			
Fier 40. A21-Span A 21-2	Gira R1 -44.51 443.74	R 2 448 . 22 450 . 60	k5-Spon N4	260.26	
Fier Vo. 421-Span 4-21-2 21	Gira R1 -44.51	R 2 448 . 22 450 . 60 453 . 32	k5-Spon N4		
Pitr Vo. 421-Span 4-21-2 21 22	Gira R1 -44.51 443.74	R 2 448 . 22 450 . 60 453 . 32 455 . 61	R5-Span N4	220.26 AMP Q	438.54
Fiér Vo. 421-Span 4-21-Q R1 R2 R3-Span - 2-2	Gira R1 -44.51 443.74 451.46	R 2 448 . 22 450 . 60 453 . 32 455 . 61 455 . 61	k5-Spon N4	AMP Q	(38.54 der
Frêr Vo. 421-Span 4 21-2 91 82 83-Span 92 93-Span 93	Gird R.1 -44.57 445.74 457.46 453.75	R 2 448 . 22 450 . 60 453 . 32 455 . 61	k£-span k4 R4 Pier k5,	220.26 AMP Q 01r	(38.54 der Q.2
Fier No.	Gird R I -44.57 445.74 457.46 453.75 453.75	R 2 438 . 22 450 .60 453 .32 455 .61 455 .41 455 .32 455 .31	k# ->pan_k4	220.26 AMP Q 6/r 437.16	(38.54 der
Flér Vo. 421-Span 4-21-2 21 R2 R3-Span R2 R3-Span R3 24 01	Girc RI -44.51 443.74 451.46 453.75 453.75 453.46	R 2 448.22 450.60 453.32 455.61 455.41 455.32	К.Б5рап. №4 Д.Г. 52ал D.26 Q. Д.Г.	223.26 AMP Q 677 437.76 430.38	(38.54 <i>der</i> <u>0.2</u> (40.66 112.30
Fiér 40. 21-Span 4-21-2 21 22 23-Span - 2-2 23-Span - 2-3 23-Span - 2-3 24	G) = G R I -44 S I 443 74 451 46 453 75 453 75 453 76 453 46 251 41	R 2 438 . 22 450 .60 453 .32 455 .61 455 .41 455 .32 455 .31	k# ->pan_k4	220.26 AMP Q 6/r 437.16	638.56 der 0.2 640.66

	Giraer	
Pier No.	A /	A 2
Al - Span Al	241.30	442.11
42	437.51	438.35
A.3	435.03	436.06
44	434.50	436 . 54
A5-Span A4	433.94	437.69
A5 Spon A5	433.39	437.69
46	437.02	439.47
A7	437.11	439.67
A8 -Spon A7	438.17	440.73
AB - Span AB	638.17	440. 73
19	437.44	.140 . 00
410	438.76	441.32
A 11-Span A10	439.73	442.29
A11-5200 A11	439.73	442.29
A12 Span -11	240.09	442.68
A12-Span # 12	440.09	442.68
413	440.03	442.68
414	439 78	442.58
415-000n A 14	239.97	662.93
A15-Span A15	439.97	662.93
A16	438. 89	442.05
217	140.29	443.79
-18-Span A17	440	444. 52
118-52 - 118	640.71	444.52
A18-5220 A18	139.10	443.52
420	441 . 75	445.69
A ?!- Span # 20	444.51	447.74
121-Span A 21	610.51	447.74
402	151.09	451 40
428	154.57	453.85
224	458 39	456.00
4 25-Span + 24	202.0	659.54

ROADWAY A

0	Girc	er
Pier No -	DI	D2
1-Span DI	462.44	441.90
22	438.99	438.49
23	437.00	436.50
04	436.90	436.40
5- Soon D4	4.5	436.95
5-Spon D5	431.45	436.95
06	137.46	436.91
07	437.25	436.64
DB-Span D7	438.07	438.28
D8-Span D8	438.07	438.28
09	136.62	438 15
010	437.64	442.53
011-Soan D10	438.26	440.85
	438.20	441.09
011-Span 011	439.99	442.55
010 1000 010	439.99	442.55
D12-Span D12	439.97	442.53
013	139.73	142.29
214	441 06	443.62
D15 Span D14		443.62
015-Span D 15	441.06	142.83
016		4.12.76
0/7	440.20	
018-Span 017	439.30	461.61
015-Span D18	439.36	441.61
019 020	438.51	440.88
020	437.12	439.63
021-5: an 020 021-1:Jan 021	437.63	443.29
021-1Jan 021	437.63	440.29
222 Such D 22	436.70	439.51
222-SDan D'22	-30.70	439.57
0.23	133 13	187.66
024	433.37	437.32
225	435.28	439.08
226-Soon 025	437.1G	439.75
D 26 Span D 26	440.66	439.7.
027	44: . 7/	441.13
228 Span 027	443.50	641.85
028-Span D 28	243.50	121.85
229	443 31	440.75
130	111.67	442.11

	Gira	ter
Pier No.	61	62
G1-Span G1	149.15	153.38
62	228.64	452.61
03	447.18	450.75
64	447.29	450 47
65-Span 64	448.09	451.01
05-Span 05	448.09	451.01
36	146.60	449.35
97	446.09	448.70
68	436.29	448.85
69-Span 68	110.26	448.32
69-Span 69	666.26	448.80
G10	144.90	447.44
011	441.74	414.30
012-Span 011	439.77	141 . 6:
G12-Span G12	437.GI	441.6:
613	434.53	136.4
G14 (Aburment)	4:3.68	133.84

-	RAMPS	
	Girde	er.
= er NO.	57	52
G12 5000 SI	137 GI	341.43
SI	54.146	413 34
\$2	103 BUL	240.95
53 - Span SE	1/8.85	450.14
S3 - Span S4	448.55	450.14
32	452.31	453 04
(F	457.31	150.76
<u>\$6</u>	162.53	461.10
57 - Span 57	160.93	465.01
57 - Span 58	266.93	465.01
58	469 13	467.51
59	173.31	471.39
510 - Span 5'0	476.32	471.40
\$15-Span 516	137.0.	-37.09
516	437.55	135 43
517	434.70	483.11
518 - Span S18	481.49	480.68

RAMP O

5227 01

02 03-Span 03 03-Span 04 05 06-Span 06 06-Span 07 07-Span 07 25 26-Span 06 26-Span 07 27-Span 07 27-Span 08

09 C 0 (Asutment) OII (Abutment) 012

013 014-Span 014

Girder

	F. A. I. 7	82-3HVF	8E-I	ST. CLAIR	247
	FED. RO	AD DIV. NO. 4	11	LINOIS PROJE	CT
RO	ADWAY H				
Pler No.	Girge H1	н2			
WI SOOD WI	139.71	143 /2			
Н1- Span H1 42-Span H1 H2-Span H2	436.51	439.73			
H2-Span H2	136.51	139.73 136.71			
43 H4	133 60 432 81	135 10			
H5 (Abutment)	13 30	13: 61			
RA	MP P				
Pier No.	Oirser Pl	22			
D4 -Span PA	-32.26	462 34			
P5 PG	464.43	452.56 463.01			
P7-Span P5 P7-Span P7	606.59	262.67			
P7-Span P7 P8	466.59	462.67 462.33			
P9	462 26 457 37 453.77	450.35			
PIO-Span P9	457 37 453.77 453.77 418.71	453.43			
PIO-Span PIO	453.77	255.65			
211 212	444.13	253.43 117.07 445.36 143.58			
P13 P14-Span P '3	111 56 110 55	112 20 1			
PIA-Span P14	:10.25	243.63 243.76 243.76			
215-Span P 14	110 1	143.76			
215-Span P 14 P15 Span P 15 H1-Span P 15	442 G 440 A 429 A	443 - 76 443 - 12			
P15-Span_P14 P15 Span_P15 H1-Span_P15	340 .1	443 . 76 443 . 12			
Pi4 Span P14 Sr5-Span P14 P15 Span P15 H1-Span P15	340 .1	443.76 443.12			
	340 .1	143.76 413.12			
215-5pon P 14 PI5 Spon P 15 HI-Spon P 15	340 .1	449.76 413.12			
/ INL	3110 A 1194.71	413 - 12			
Note: Bearing	£'evations	413 - 12	- 2°	Concrete	
Note: Bearing	3110 A 1194.71	413 - 12		Concrete	
Note: Bearing	£'evations	413 - 12	2.	Concrete	
Note: Bearing	£'evations	413 - 12	. <i>2.</i> *	Concrete	
Note: Bearing	£'evations	413 - 12	. <i>9.</i> *	Concrete	
Note: Bearing	£'evations	413 - 12	1 <i>0.</i> *	Concrete	
Note: Bearing	£'evations	413 - 12	a 2 ⁴	Concine te	
Note: Bearing	£'evations	413 - 12	2.05	Concire te	
Note: Bearing	£'evations	413 - 12	3 Ø.*	Conciné re	
Note: Bearing	£'evations	413 - 12	2 2 ²	Concine te	
Note: Bearing	£'evations	413 - 12	s 0.†	Concine te	
Note: Bearing	£'evations	413 - 12	a 2.*	Concine te	
<u>Nore:</u> Bearing Bers o	£'evations	413 - 12	a 2.ª	Concrete	
<u>Nore:</u> Bearing Bers o	Eevations - Journents.	413-12 ore to To: 511	ATE.	OF ILLIN	015
<u>Nore:</u> Bearing Bers o	Eevations - Journents.	str	ATE DF P	OF ILLING UBLIC WO	RKS &
<u>Nore:</u> Bearing Bers o	Eevations - Journents.	413 12 ore to Tota str RTMENT C DIVIS	ATE DF P ION	OF ILLIN	WAYS

POPLAR STREET BRIDGE APPROACHES

FAIRT 70 ST. CLAIR CO SECTION 82-3HV8-1 H W. LOCHNER. INC SHEET

316 or 526

H W. LOCHNER. INC ENGINEERS CHICAGO. ILLINOIS

ROUTE NO.

SECTION COUNTY TOTAL SHEET NO

1

DESIGNED BY DRAWN BY CHECKED BY APPROVED BY A