SBI-49
SEC. 140

139 1927 1 41
S.B.I. RT. 49, SECTION A-140, KANKAKEE CO.

INDEX OF SHEETS

SHEET No. 1 TITLE PAGE
" " 5 STANDARD CROSS SECTION NO. 1255
" " 8 PLAN AND PROFILE STA. 0+00 TO STA. 27+00
" " 4 " " " " " 27+00 " " 87+00
" " 5 " " " " " 87+00 " " 147+00
" " 6 " " " " " 147+00 " " 207+00
" " 7 " " " " " 207+00 " " 237+00
" " 8 " " " " " 237+00 " " 295+00
" " 9 " " " " " 295+00 " " 355+73
" " 10 " " " " " 355+73 " " 411+00
" " 11 TO 35 INCLUSIVE CROSS SECTIONS
" " 36 STANDARD CULVERT DESIGN NO. 828-1, 1204-2
" " 36 SPECIAL " " STA. (86+00, 139+00L, 192+20R&L) 91+00
" " 37 " " " " (105+95, 120+05, 167+00, 177+00, 194+00, 203+76, 226+00, 317+00, 335+50, 358+00, 354+50, 1, 379+00, 352+00, 405+00
" " 38 " BRIDGE " " 52+00 (SHEET 1 OF 4 SHEETS)
" " 39 " " " " 52+00 (" 2,3 & 4 ")
" " 40 STANDARD NO. 1162, 1177
" " 41 " " 731, 865, 1063

SUMMARY OF QUANTITIES

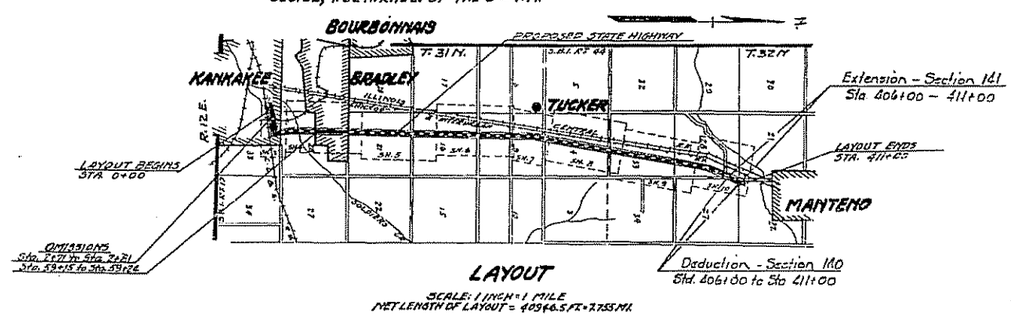
5094.7	CU.YD.	CLASS A EXCAVATION
863.1	CU.YD.	BORROW EXCAVATION
322	RODS	HEDGE PULLING
181985	SQ.YD.	PAVEMENT
50	LIN.FT.	VITRIFIED PIPE UNDERDRAIN 12"
1	EACH	CATCH BASIN
175	EACH	SETTING RIGHT OF WAY MARKERS
748.7	CU.YD.	CLASS A CONCRETE
223.6	CU.YD.	CLASS B CONCRETE
13.1	CU.YD.	CLASS X CONCRETE
83980	LBS.	REINFORCING STEEL
2760	LIN.FT.	UNTREATED PILES (20 FT.)
400	LIN.FT.	UNTREATED PILES (15 FT.)
1	EACH	TRUE PLATE
90811	SQ.YD.	EARTH SHOULDERS

SUMMARY OF CONCRETE

9	STANDARD CULVERT	DESIGN NO.	828-1-3		17.1	CU.YDS.		
1	"	"	"	1204-2-3	5.6	"	"	
1	"	"	"	1204-2-5	6.6	"	"	
1	SPECIAL	"	STA.	86+00	5.6	"	"	
1	"	"	"	91+00	7.4	"	"	
1	"	"	"	102+00	16.2	"	"	
1	"	"	"	136+00	10.2	"	"	
1	"	"	"	139+00R	5.8	"	"	
1	"	"	"	139+00L	5.6	"	"	
1	"	"	"	147+00	16.2	"	"	
1	"	"	"	177+00	16.2	"	"	
1	"	"	"	192+20R	5.6	"	"	
1	"	"	"	192+20L	5.6	"	"	
1	"	"	"	194+00	16.2	"	"	
1	"	"	"	203+76	16.2	"	"	
1	"	"	"	226+00	16.2	"	"	
1	"	"	"	317+00	16.2	"	"	
1	"	"	"	335+50	10.2	"	"	
1	"	"	"	352+00	29.3	"	"	
1	"	"	"	378+00	16.2	"	"	
1	"	"	"	394+50	16.2	"	"	
1	"	"	"	405+00	17.6	"	"	
1	" BRIDGE	"	"	52+00	1 455.7	"	"	CLASS B. 223.6 CU.YDS. CLASS X. 13.1 CU.YDS.
			TOTAL		748.7	"	"	

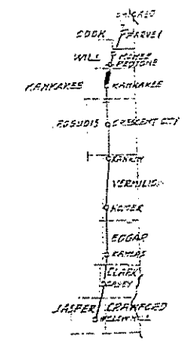
PROJECT 139, SECTION 140, KANKAKEE COUNTY.

FROM A POINT NEAR THE S.E. CORNER OF THE N.E. 1/4 OF THE N.E. 1/4 OF SEC. 32, T. 31 N., R. 12 E. OF THE 3rd P.M. TO A POINT NEAR THE S.W. CORNER OF SEC. 22, T. 32 N. R. 12 E. OF THE 3rd P.M.



LAYOUT

SCALE: 1 INCH = 1 MILE
NET LENGTH OF LAYOUT = 409+65.5 FT. = 7.755 MI.



SUMMARY

Station to Station		Width of Pavement	Gross Length Along Transit Line	Correction for Curves		Corrections for Relocations				Net Length of Layout Along Final Center Line	Omissions			Net Length to be Improved in Feet			Pavement Over Bridges			Sq. Yds. of Pavement	
		Ft	Feet	Sta. of P.I.	Ft	Sta = Sta.		Feet +	Feet −	Feet	Sta. to Sta		Ft			40 Ft	Total	Sta.	Ft	40 Ft	Total
0+00	9+50	40	950	8+50	0.1					949.9	2+71	7+21	10			939.9	939.9			4177.3	4177.3
9+50	14+00	40	450	10+50	0.1					449.9						449.9	449.9			1999.6	1999.6
14+00	18+00	40	400	15+31	1.2					398.8						398.8	398.8			1772.4	1772.4
18+00	28+00	40	1000	22+10	12.2					878.8						878.8	878.8			3905.8	3905.8
28+00	41+00	40	1300	31+50.06	2.0					1298.0						1298.0	1298.0			5768.9	5768.9
41+00	231+00	40	19000	46+35.6	3.3	46+39.6	46+39	0.6		18997.9	59+15	59+24	9			18988.3	18988.3	52+00	81	84392.4	84392.4
231+00	355+73	40	12473	235+60	2.1	237+81.55	237+78.69	3.1		12474.0						12474.0	12474.0			55440.0	55440.0
355+73	411+00	40	5527	385+74.3	8.2					5518.8						5518.8	5518.8			24528.8	24528.8
TOTAL			41100		1382			3.7		40965.5			19			40946.5	40946.5		81	181989.9	181989.4

1927 plans

KANKAKEE 140 139

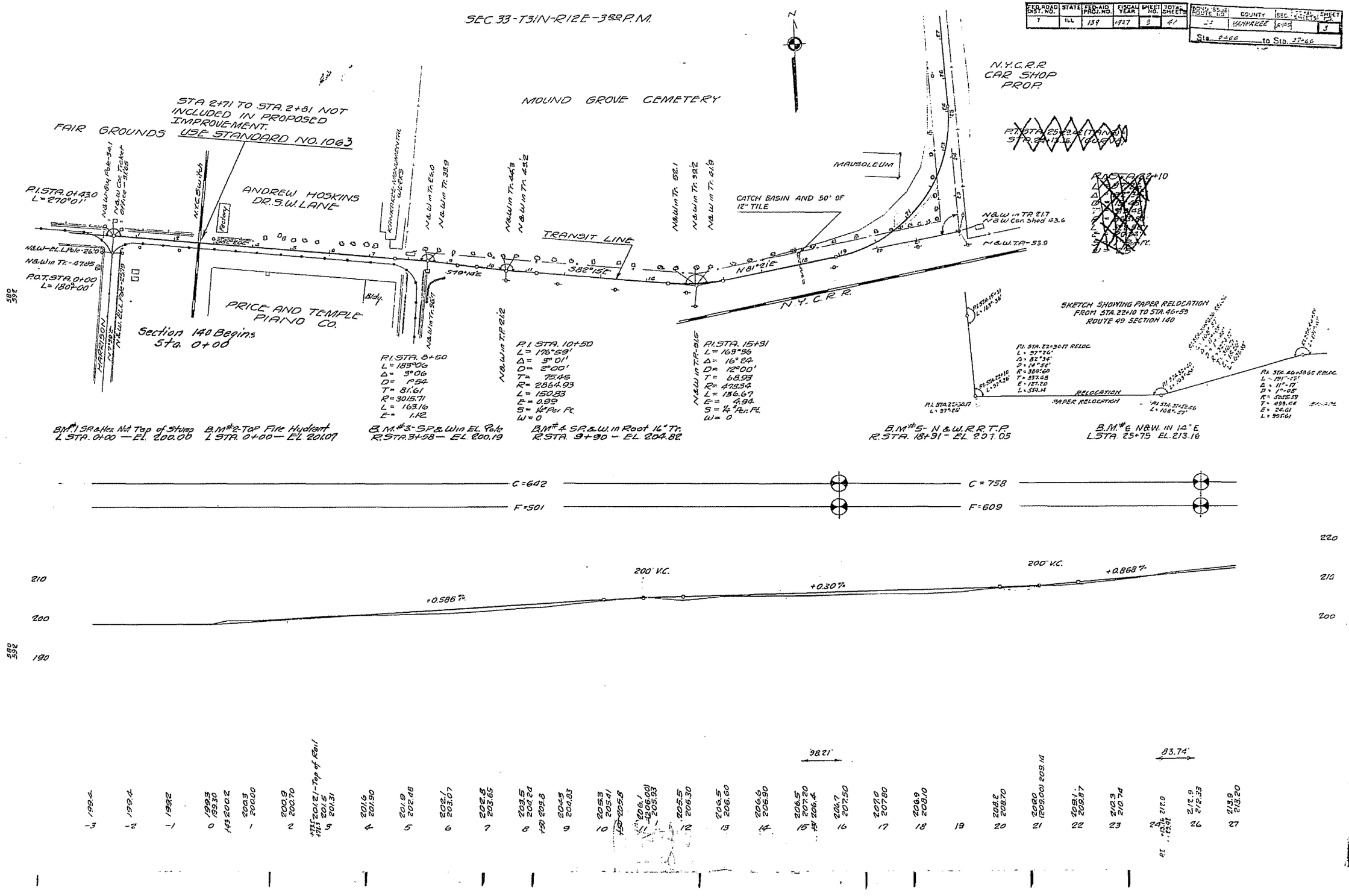
ROUTE 49-SEC 140-KKK CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	ILL	139	1927	3	41

ROUTE NO.	COUNTY	SEC.	TOTAL SHEETS	SHEET
49	VANDALIA	KKK		3

Sta. 0+00 to Sta. 37+00

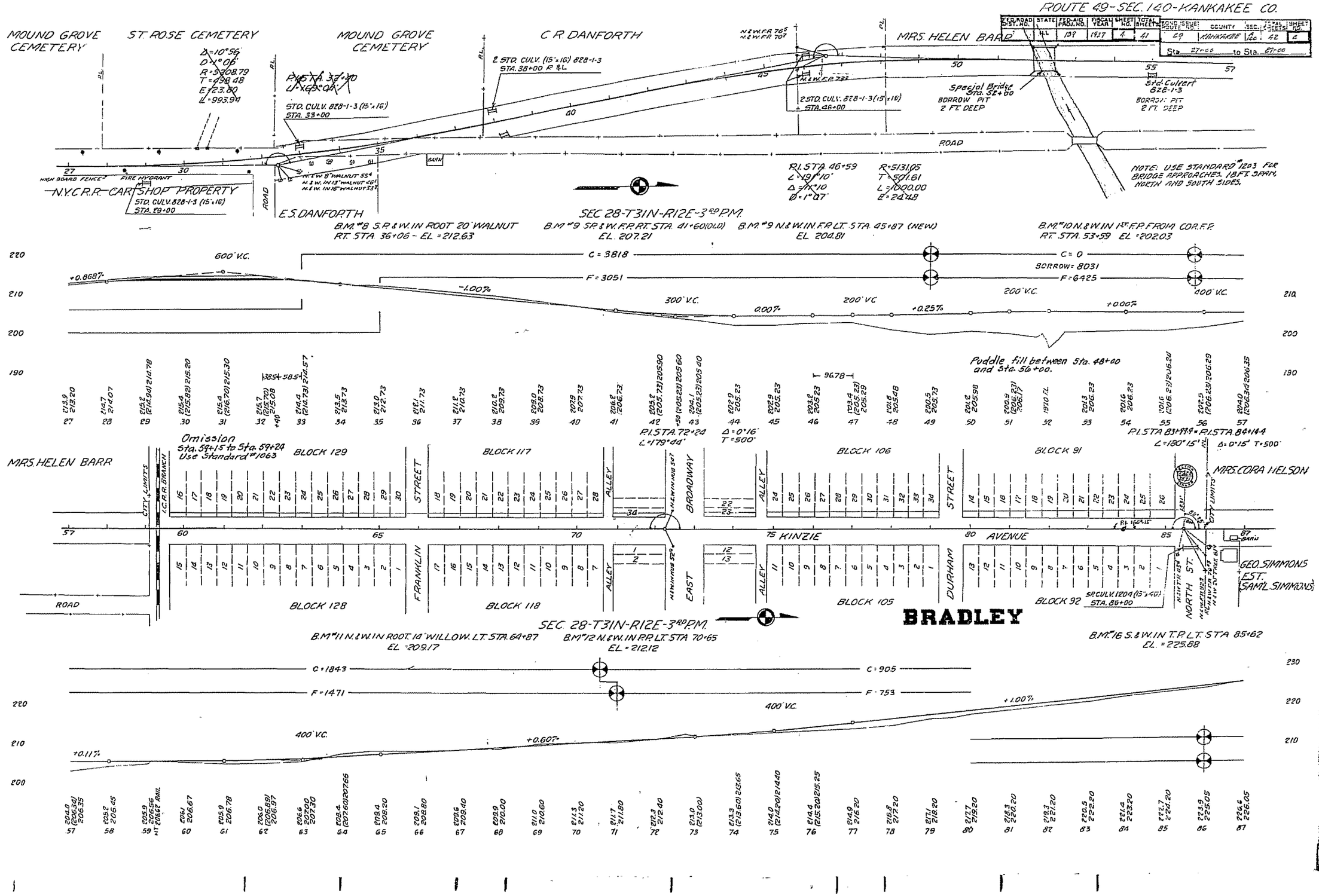
SEC. 33-T31N-R12E-3RD P.M.



ROUTE 49-SEC. 140-KANKAKEE CO.

F.A.S. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	ROUTE NO.	COUNTY	SEC.	TOTAL SHEETS	SHEET NO.
	ILL.	139	1937	4	41	49	KANKAKEE	Lic.	42	4

Sta. 27+00 to Sta. 87+00

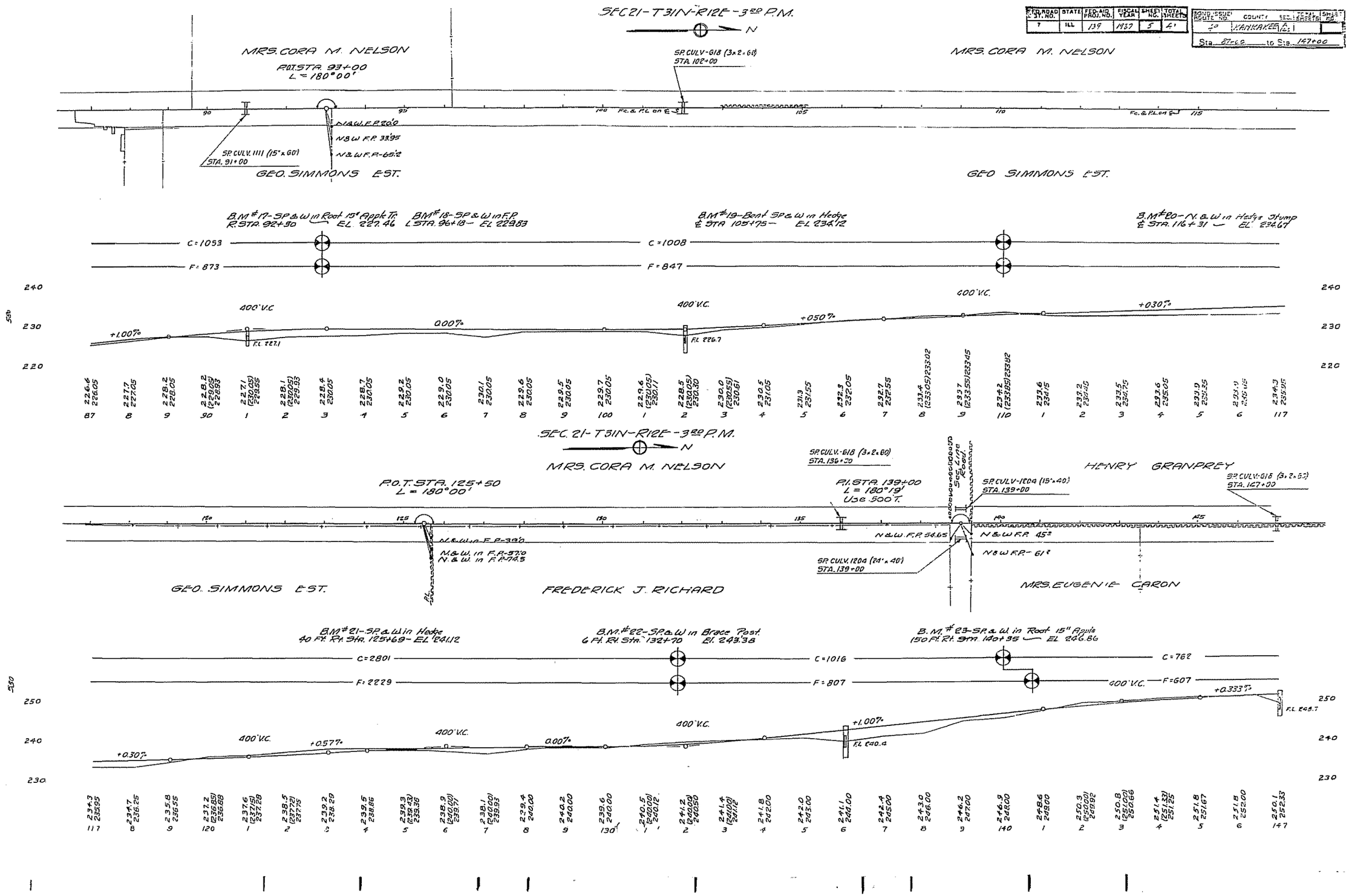


ROUTE 49-SEC 140-KKK CO.

F.A. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	ILL	139	1937	5	41

BOND ISSUE ROUTE NO.	COUNTY	SEC.	TO MAP SHEETS	SHEET NO.
49	KANKAKEE	1		

Sta. 87+00 to Sta. 147+00

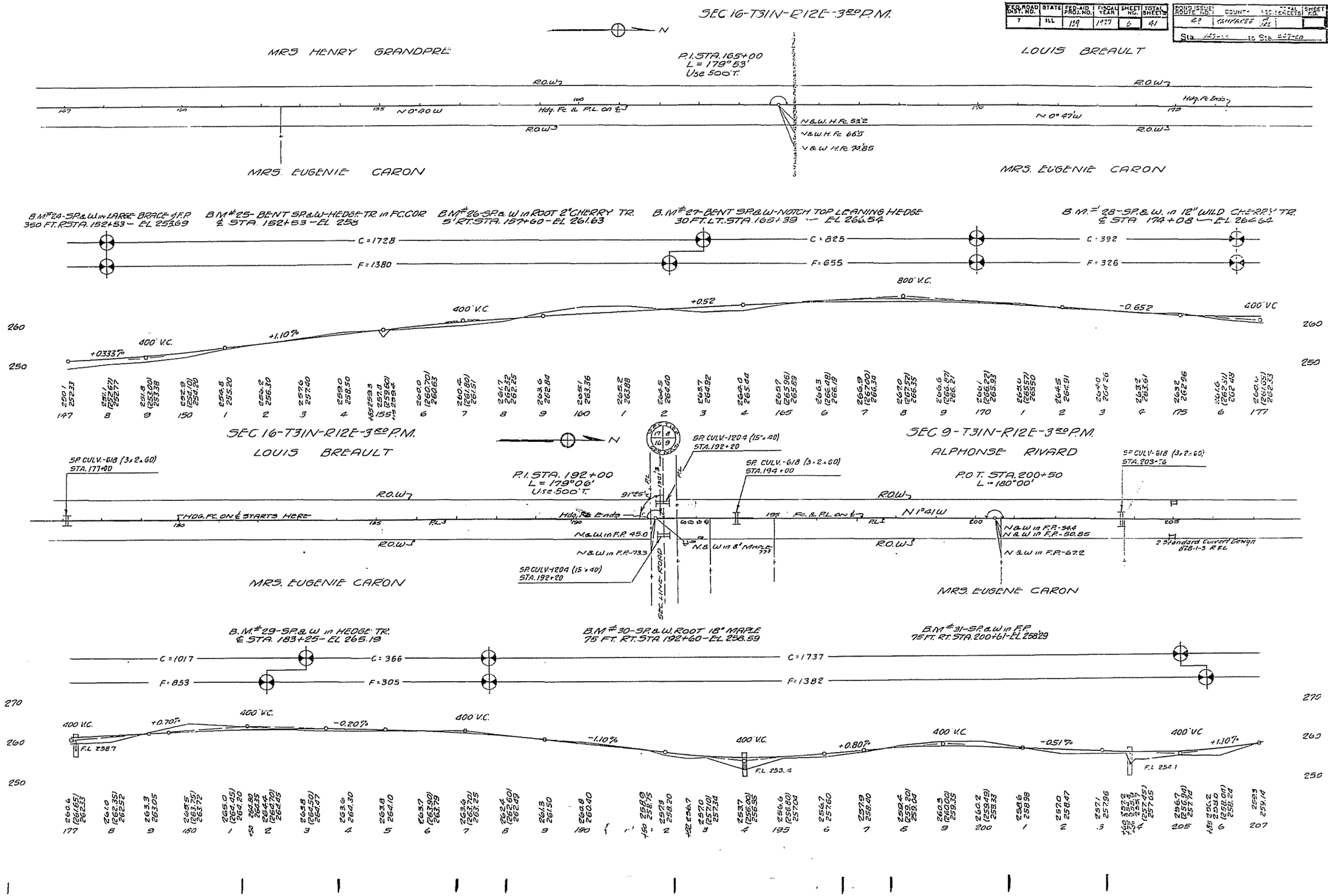


ROUTE 49-SEC(4C)-K.K.K. CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	ILL	119	1977	6	41

ROUTE NO.	COUNTY	TOTAL SEC. SHEETS	SHEET NO.
49	CAMPAIGN	12	

Sta. 145+00 to Sta. 207+60

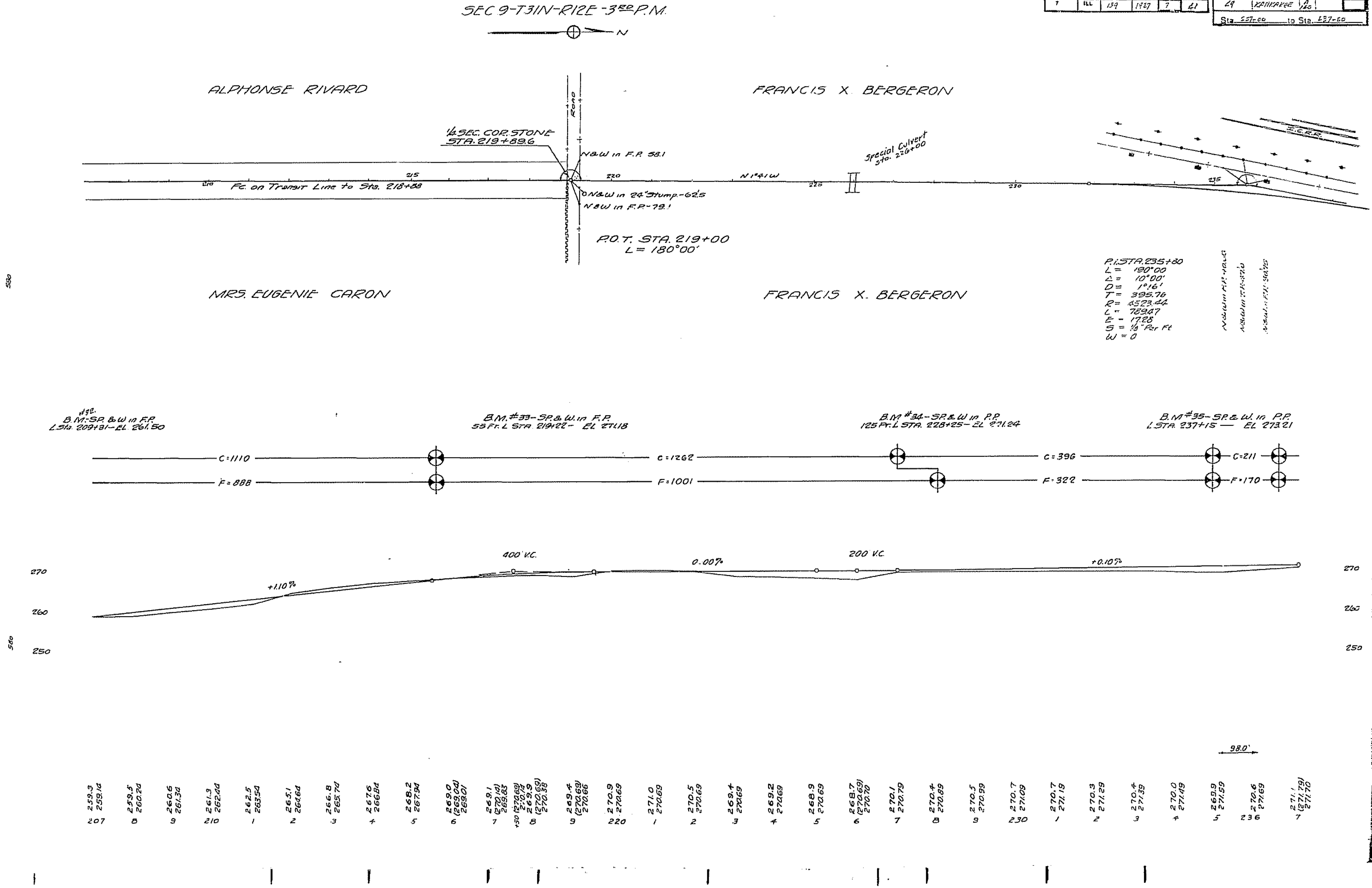


ROUTE 49-SEC.140-KKK. CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	ILL	159	1927	7	41

BOND ISSUE ROUTE NO.	COUNTY	SEC.	TOTAL SHEETS	SHEET NO.
49	KANKAKEE	A/140		

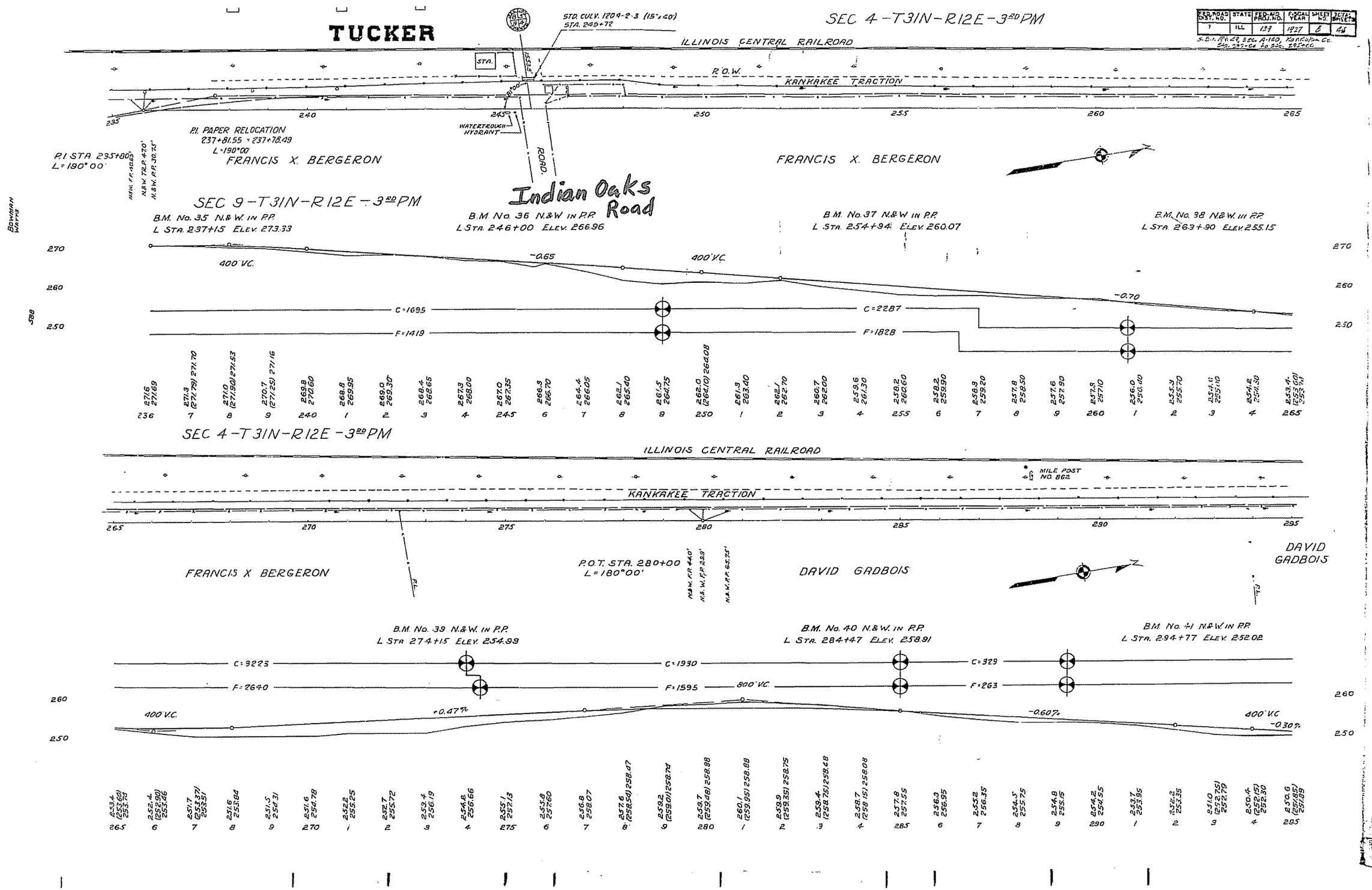
Sta. 557+00 to Sta. 437+00



ROUTE 49 SEC 14C KANKAKEE CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	ILL.	139	1927	8	48

S.B.I. Rte 49, Sec. A-160, Kankakee Co.
Sta. 237+66 to Sta. 285+66



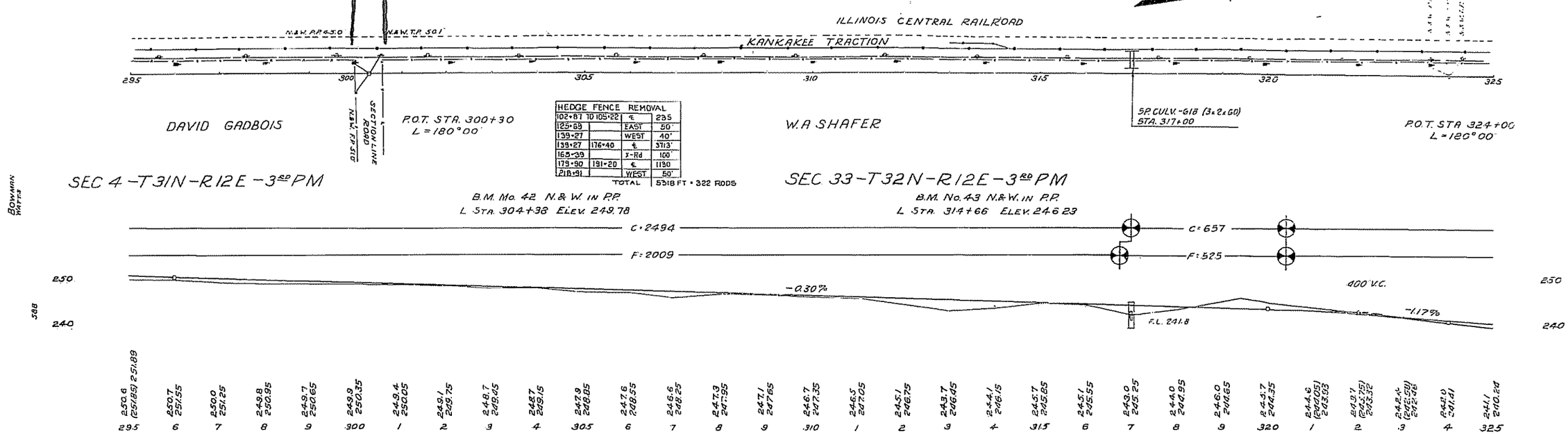
F.A.S. ROAD DIST. NO.	STATE	F.A.S. ROUTE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	ILL	128	1987	3	4

S.B.I. R.2.21

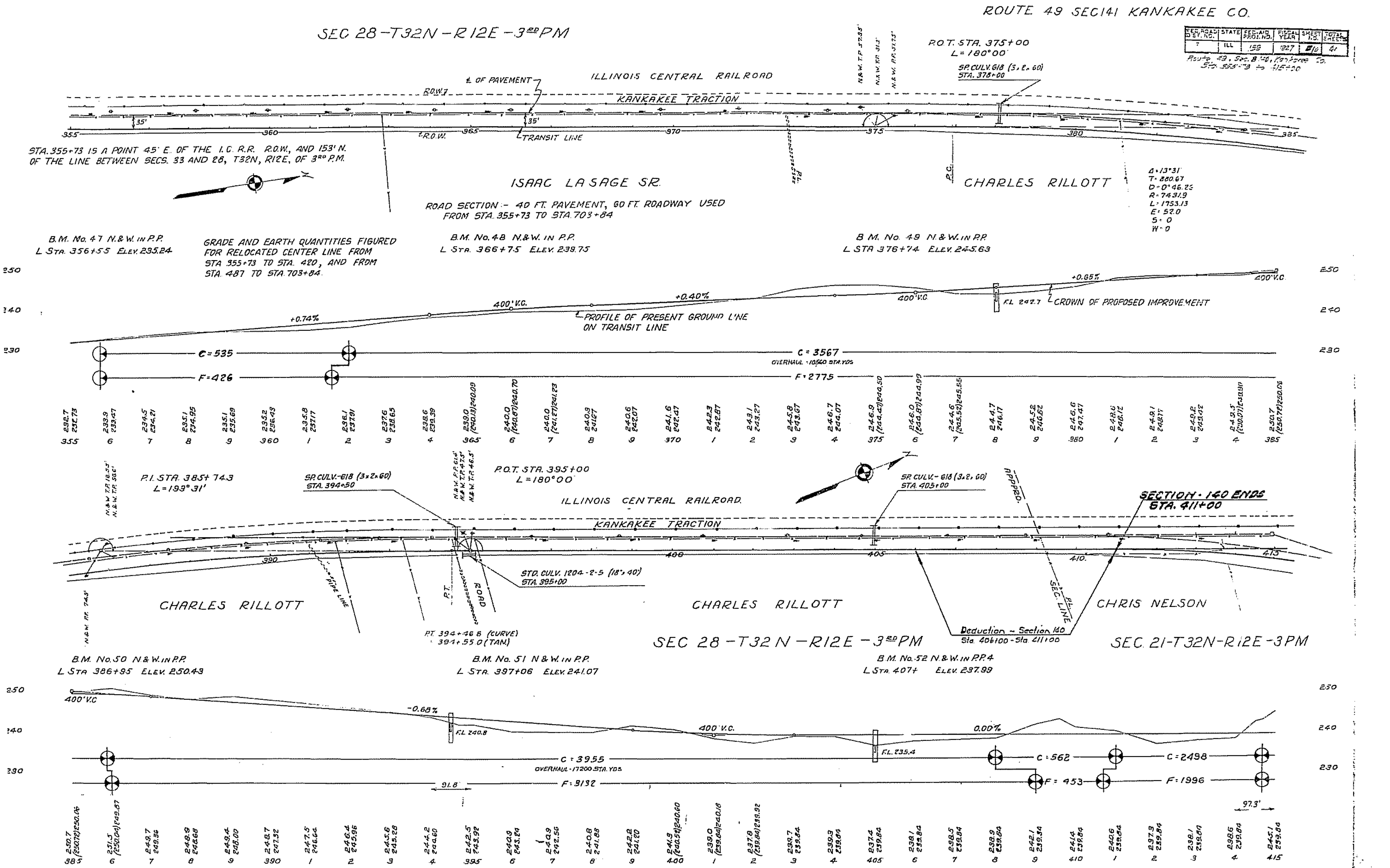
C. Sec. A-149 Rt. 1.44 Sta. 1+47.00 to Sta. 1.55-13

6000 N. Road

ROUTE 49 SEC. 140 KANKAKEE CO.



HEDGE FENCE REMOVAL			
102+81 TO 105+22		℄	235
125+69		EAST	50'
139+27		WEST	40'
139+27	176+40	℄	3713'
165+39		X-Rd	100'
179+90	191+20	℄	1130
218+91		WEST	50'
		TOTAL	5518 FT = 322 RODS


ROUTE 49 SEC141 KANKAKEE CO.
Route 49, Sec. 8 140, Kankakee Co. Sta. 355+73 to 415+00
SEC 28-T32N-R12E-3RD PM
P.O.T. STA. 375+00
L=180°00'
SP. CULV. 618 (3, 2, 60) STA. 378+00
℄ OF PAVEMENT
ILLINOIS CENTRAL RAILROAD
R.O.W.
KANKAKEE TRACTION
35'
TRANSIT LINE
STA. 355+73 IS A POINT 45' E. OF THE I.C. R.R. R.O.W., AND 153' N. OF THE LINE BETWEEN SECS. 33 AND 28, T32N, R12E, OF 3RD P.M.
ISAAC LA SAGE SR.
CHARLES RILLOTT
P.C.
Δ=13°31'
T=880.67
D=0°46.25
R=7431.9
L=1753.13
E=52.0
S=0
W=0
ROAD SECTION :- 40 FT. PAVEMENT, 60 FT. ROADWAY USED FROM STA. 355+73 TO STA. 703+84
B.M. No. 47 N.&W. IN P.P. L STA. 356+55 ELEV. 235.24
GRADE AND EARTH QUANTITIES FIGURED FOR RELOCATED CENTER LINE FROM STA 355+73 TO STA. 420, AND FROM STA. 487 TO STA. 703+84.
B.M. No. 48 N.&W. IN P.P. L STA. 366+75 ELEV. 239.75
B.M. No. 49 N.&W. IN P.P. L STA 376+74 ELEV. 245.63
+0.74%
400' V.C.
+0.40%
400' V.C.
+0.65%
400' V.C.
F.L. 247.7
CROWN OF PROPOSED IMPROVEMENT
PROFILE OF PRESENT GROUND LINE ON TRANSIT LINE
C=535
C=3567
OVERHAUL - 10560 STA. YDS
F=426
F=2775
P.I. STA. 385+74.3
L=193°31'
SP. CULV.-618 (3×2×60) STA. 394+50
P.O.T. STA. 395+00
L=180°00'
ILLINOIS CENTRAL RAILROAD.
KANKAKEE TRACTION
SP. CULV.-618 (3, 2, 60) STA. 405+00
SECTION - 140 ENDS STA. 411+00
STD. CULV. 1204-2-5 (18"×40) STA. 395+00
PIPE LINE
P.T.
ROAD
SEC. LINE
CHARLES RILLOTT
CHRIS NELSON
Deduction - Section 140 Sta. 406+00 - Sta. 411+00
P.T. 394+46.6 (CURVE)
394+55.0 (TAN)
SEC 28-T32N-R12E-3RD PM
SEC. 21-T32N-R12E-3PM
B.M. No. 50 N.&W. IN P.P. L STA 386+95 ELEV. 250.43
B.M. No. 51 N.&W. IN P.P. L STA. 397+06 ELEV. 241.07
B.M. No. 52 N.&W. IN P.P. 4 L STA. 407+ ELEV. 237.99
400' V.C.
-0.68%
F.L. 240.8
400' V.C.
0.00%
F.L. 235.4
C=3955
OVERHAUL - 17200 STA. YDS
C=562
C=2498
91.8'
F=3132
F=453
F=1996
97.3'

ROAD SYSTEM ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
49	(140 & 141) RS-1	KANKAKEE	7	1

P-93-032-65

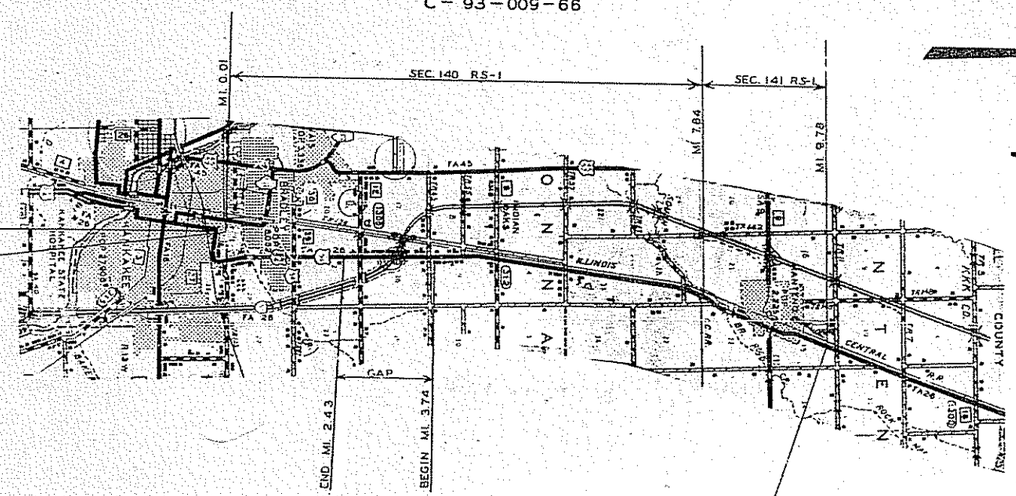
FOR INDEX OF SHEETS SEE SHEET NO. 3

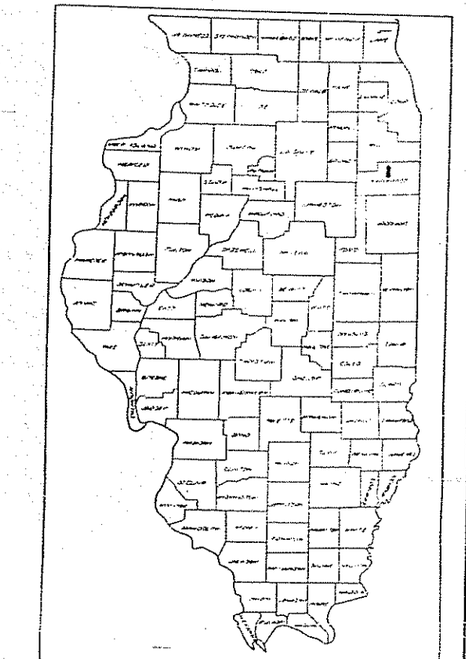
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED STATE BOND ISSUE HIGHWAY

SCALES
- PLAN 1 INCH 100 FT.
- PROFILE, HOR. 1 INCH 100 FT.
- PROFILE, VERT 1 INCH 10 FT.
- CROSS SECTIONS 1 INCH 5 FT.

S.B.I. RT. 49 SEC. (140 & 141) RS-1, KANKAKEE COUNTY

C-93-009-66





LOCATION OF SECTION INDICATED THUS:—

HIGHWAY CLASSIFICATION
1966 ADT 11000 - M-70
1986 ADT 12000 - M-70

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

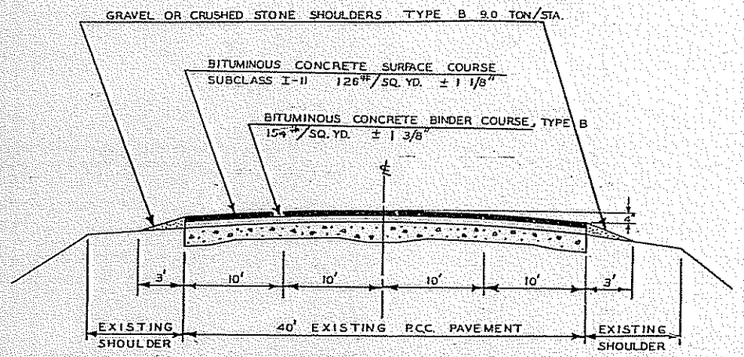
SUBMITTED 1-18-66 Acting Chief Engineer
RECOMMENDED February 10, 1966 A. Urban Randolph
DATE February 10, 1966 H. P. Allen
APPROVED February 10, 1966 Director of Highways
APPROVED February 10, 1966 Governor

GROSS LENGTH OF IMPROVEMENT = 51,585.6 FT. = 9.77 MI.
NET LENGTH OF RESURFACING = 44,568.8 FT. = 8.46 MI

CONTRACT NO. 24522

KANKAKEE COUNTY SECTION (140 & 141) S.B.I. ROUTE 49

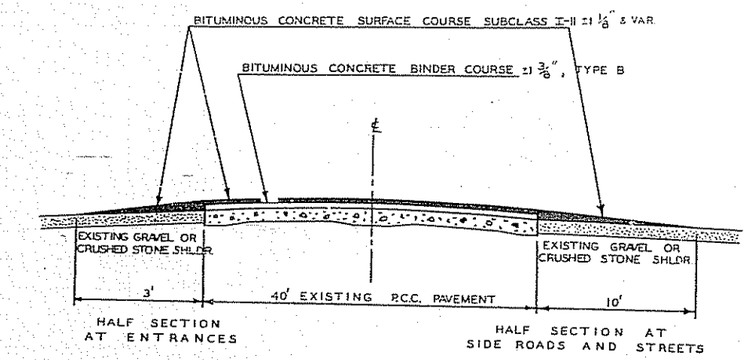
SECTION ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
49	(40-01-14) RS-1	KANKAKEE	7	2
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



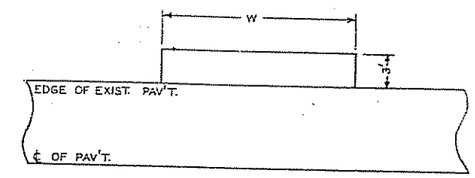
TYPICAL SECTION ROUTE 49

NOTE 1. EXISTING PAVEMENT HAS A CIRCULAR ARC CROWN WITH A 4" DROP IN 20'.

2. THE 2 RAILROAD XINGS LOCATED AT MILE 0.10 AND MILE 7.78 ARE NOT TO BE RESURFACED. THE PROPOSED TAPER OF 60' IS TO BE USED.

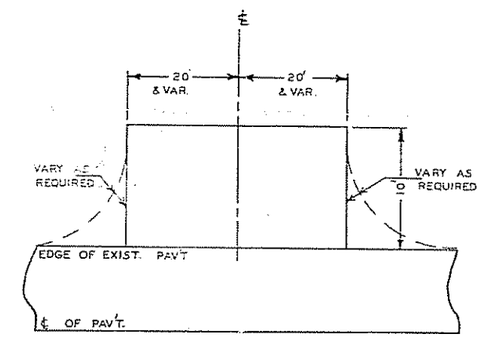


TYPICAL SECTION AT ENTRANCES & STREETS

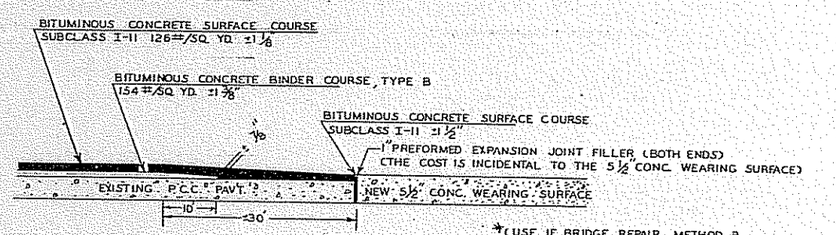


PLAN AT ENTRANCES

COMMERCIAL	W = 50'
PRIVATE OR FIELD	W = 20'
REST AREA ENT.	W = 20'
ALLEYS	W = 10'

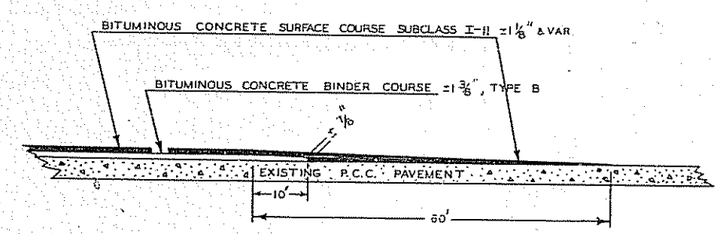


PLAN AT SIDE ROADS AND STREETS



*(USE IF BRIDGE REPAIR METHOD B IS REQUIRED)

*TAPER FROM 2 1/2" TO 1 1/2" AT BRIDGES

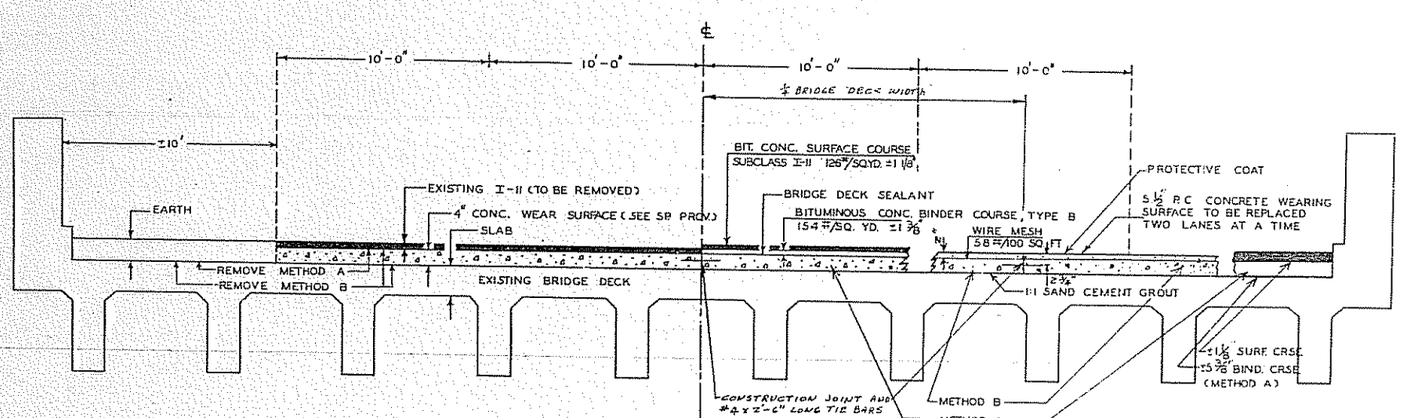


TYPICAL TRANSITION SECTION AT LIMITS OF IMPROVEMENT & R.R CROSSINGS

DETAIL ADJACENT TO CURB & GUTTER

METHOD A: REMOVE THE EXISTING BITUMINOUS SURFACE FROM THE BRIDGE AND APPROACH SLABS. IF THE 4" CONCRETE WEARING SURFACE IS IN GOOD CONDITION, SEAL AND RESURFACE THE FULL WIDTH OF THE BRIDGE.

METHOD B: REMOVE THE EXISTING BITUMINOUS SURFACE FROM THE BRIDGE AND APPROACH SLABS. IF THE 4" CONCRETE WEARING SURFACE IS IN POOR CONDITION, REMOVE IT AND REPLACE IT THE FULL WIDTH OF THE BRIDGE WITH A 5 1/2" CONCRETE WEARING SURFACE WITH WIRE MESH. PROTECTIVE COAT IS TO BE APPLIED TO THE TOP OF THE NEW SURFACE. ONE A SLURRY SEAL IS TO BE PLACED BETWEEN THE NEW WEARING SURFACE AND THE BRIDGE DECK.



HALF SECTION EXISTING

TYPICAL SECTION AT BRIDGES

HALF SECTION PROPOSED

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
49	(FAP-44) RS-1	KANKAKEE	7	3

F.A.P. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT-

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS, DETAILS OF ENTRANCES AND SIDE ROADS
3	INDEX OF SHEETS, SUMMARY OF QUANTITIES, AND SCHEDULE OF PATCHING
4	STANDARD 2165, 2114, 686-2
5	STANDARD 2209
6	STANDARD 2208-2, 2171, 2116
7	STANDARD 2117

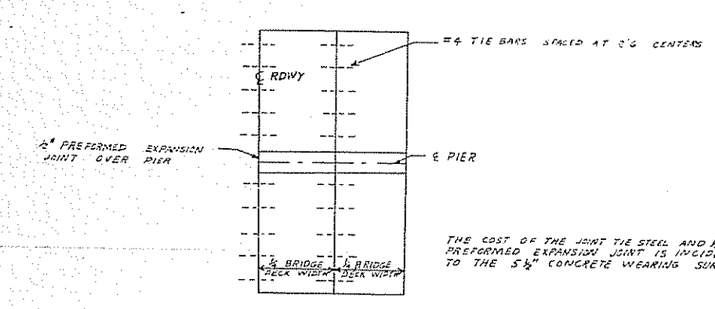
PAVEMENT REMOVAL AND REPLACEMENT

MILE FROM	MILE TO	TYPE I NO	TYPE I SQ YDS	TYPE IA NO	TYPE IA SQ YDS	TYPE II NO	TYPE II SQ YDS	TYPE III NO	TYPE III SQ YDS	TYPE IV NO	TYPE IV SQ YDS
0.01	1.0					4	22				
1.0	2.0	9	10	1	4	10	44	1	9		
2.0	2.43	5	6	3	9	5	24				
3.74	4.0	3	5								
4.0	5.0	2	4	3	11	17	84	2	22		
5.0	6.0	9	17	3	11	22	101	1	11		
6.0	7.0	1	1	6	20	8	32				
7.0	7.84	4	10	3	9	10	43	1	11		
TOTAL SEC 140RS-1		35	53	19	64	76	350	5	53		
7.84	8.0					2	8				
8.0	9.0	3	5	2	10	7	32	1	9	1*	19
9.0	9.79	4	5	9	36	7	31				
TOTAL SEC 141RS-1		7	10	11	46	16	71	1	9	1	19
COMBINED TOTAL		42	63	30	110	92	421	6	62	1	19

* THE TYPE 4 PATCH WAS ADDED IN ORDER TO ESTABLISH A UNIT PRICE FOR THIS PAY ITEM.

ENTRANCE QUANTITIES

	NO.	SQ. YDS.	0.375 GAL/SY BIT. MAT. PR. GALLON	0.002 T/SY AGGREGATE PRIME COAT TON	112#/IN/SY BIT. CONC. BIND. CRSE TON	112#/IN/SY BIT. CONC. SURF. CRSE TON	9 TON/STA GR OR CR ST SHLDS. TY B TON
SECTION 140RS-1							
COMMERCIAL ENTRANCES	110	16.7	687.5			154	- 247.5
PRIVATE ENTRANCES	25	6.67	62.5			14	- 22.5
FIELD ENTRANCES	3	6.67	7.5			1.7	- 2.7
ALLEYS	6	3.33	7.5			1.7	- 2.7
SIDE ROADS	24	44.44	400.0	2.1		89.6	- 43.2
MAIL BOX TURNOUTS (2 1/2")	7	40					+ 17.9
REST AREA ENTRANCES	8	6.67	20.0			4.5	- 7.2
ADDITIONAL I-11 FOR BRIDGE (BEYOND 20'RT & LT OF ℄)					55.9	11.7	
SHLD. ST. DEDUCTION ADJ. TO CURBS & BRIDGES							- 49.9
SUB-TOTAL FOR SECTION 140RS-1			1185	2.1	55.9	277.2	- 357.8
SECTION 141RS-1							
COMMERCIAL ENTRANCES	38	16.7	237.5			53.2	- 85.5
PRIVATE ENTRANCES	27	6.67	67.5			15.1	- 24.3
FIELD ENTRANCES	2	6.67	5.0			1.1	- 1.8
ALLEY	1	3.33	1.3			0.3	- 0.5
SIDE ROADS	15	44.44	250.0	1.3		56.0	- 27
ADDITIONAL I-11 FOR BRIDGE (BEYOND 20'RT & LT OF ℄)					55.1	11.5	
SHLD. ST. DEDUCTION ADJ. TO CURBS & BRIDGES							- 7.6
SUB-TOTAL FOR SECTION 141RS-1			561.3	1.3	55.1	137.2	- 146.7
COMBINED SUB TOTAL			1746.3	3.4	111.0	414.4	-504.5



THE COST OF THE JOINT TIE STEEL AND ½" PREFORMED EXPANSION JOINT IS INCIDENTAL TO THE 5½" CONCRETE WEARING SURFACE

PLAN OF ½ BRIDGE DECK

MAINLINE QUANTITIES

MILE TO MILE	LENGTH FEET	WIDTH FEET	SQUARE YARDS	.0003 T/SY CRACK MIX TON	0.10 GAL/SY BIT MATLS PRIME CT GALLON	0.002 T/SY AGGREGATE PRIME CT TON	0.0005 T/SY LEV BIND (HAND METH) TON	112#/IN/SY BIT CONC BIND CRSE TON	112#/IN/SY BIT CONC SURF CRSE TON	9 T/STA GR OR CR ST SHLDS TY B TON
SECTION 140RS-1										
0.01-2.43 12777.6		40	56789.3	17.04	5678.9	113.6	28.4	4372.8	3527.7	1150.6
2 TAPERS @ 60		40		.16	53.4	1.06	0.27	5.6	39.2	5.4
3.74-7.84 21648		40	96213.3	28.86	9621.3	192.4	48.1	7408.4	6061.4	1948.3
1 TAPER @ 60		40		.08	26.7	0.53	0.14	2.8	19.6	2.7
SUB-TOTAL FOR SECTION 140RS-1				46.14	15380.3	307.59	76.9	11789.6	9497.9	3106.2
SECTION 141RS-1										
7.84-9.78 10243.2		40	45525.3	13.66	4552.5	91.1	22.8	3505.4	2868.1	921.9
1 TAPER @ 60		40		.08	26.7	0.53	0.14	2.8	19.6	2.7
SUB-TOTAL FOR SECTION 141RS-1				13.74	4579.2	91.63	22.9	3508.2	2887.7	924.6
COMBINED SUB TOTAL				59.9	19959.5	399.2	99.8	15297.8	12385.6	4031
GRAND COMBINED TOTAL				60	21,706	403	100	15409	13,000	3527

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE 6706

CODE NO.	ITEM	UNIT	TOTAL	SEC. 140RS-1	SEC. 141RS-1
026003	GRAVEL OR CRUSHED STONE SHOULDERS TYPE B	TON	3,527	2749	778
046001	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	21706	16565	5141
046002	AGGREGATE (PRIME COAT)	TON	403	310	93
046003	MIXTURE FOR CRACKS, JOINTS & FLANGEWAYS	TON	60	46	14
046005	LEVELING BINDER (HAND METHOD)	TON	100	77	23
046006	BITUMINOUS CONCRETE BINDER COURSE	TON	15,409	11846	3563
046007	BITUMINOUS CONCRETE SURFACE COURSE SUBCLASS I-11	TON	13,000	9975	3025
052021	PROTECTIVE COAT	SQ YD	1102	537	565
082013	BRIDGE WEARING SURFACE REMOVAL	SQ YD	733	351	382
082031	BITUMINOUS CONCRETE SURFACE REMOVAL	SQ YD	1814	836	978
Z01004	BRIDGE DECK SEALANT	SQ YD	1102	537	565
Z01379	ENGINEER'S FIELD LABORATORY	EACH	1	.5	.5
Z01390	ENGINEER'S FIELD OFFICE TYPE B	EACH	1	.5	.5
Z01423	BRIDGE WEARING SURFACE COURSE 5 1/2"	SQ YD	1102	537	565
	ALTERNATE A				
085006	PAVEMENT REMOVAL AND REPLACEMENT TYPE 1 9 INCH	SQ YD	63	32	
085007	PAVEMENT REMOVAL AND REPLACEMENT TYPE 1A 9 INCH	SQ YD	110	64	46
085008	PAVEMENT REMOVAL AND REPLACEMENT TYPE 2 9 INCH	SQ YD	431	330	101
085009	PAVEMENT REMOVAL AND REPLACEMENT TYPE 3 9 INCH	SQ YD	41	32	9
085010	PAVEMENT REMOVAL AND REPLACEMENT TYPE 4 9 INCH	SQ YD	19		19
	ALTERNATE B				
085026	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT TYPE 1 10 INCH	SQ YD	63	32	
085027	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT TYPE 1A 10 INCH	SQ YD	110	64	46
085028	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT TYPE 2 10 INCH	SQ YD	431	330	101
085029	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT TYPE 3 10 INCH	SQ YD	41	32	9
085030	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT TYPE 4 10 INCH	SQ YD	19		19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

P-93-023-80

	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 49	(140,141)RS	KANKAKEE	2	1
F.A.H.A. REG. A	ILLINOIS	PROJECT		

PLANS FOR PROPOSED STATE BOND ISSUE HIGHWAY

S.B.I. ROUTE 49 (ILL. ROUTE 50)
SECTION (140,141) RS.
KANKAKEE COUNTY

C-93-072-80

INDEX OF SHEETS

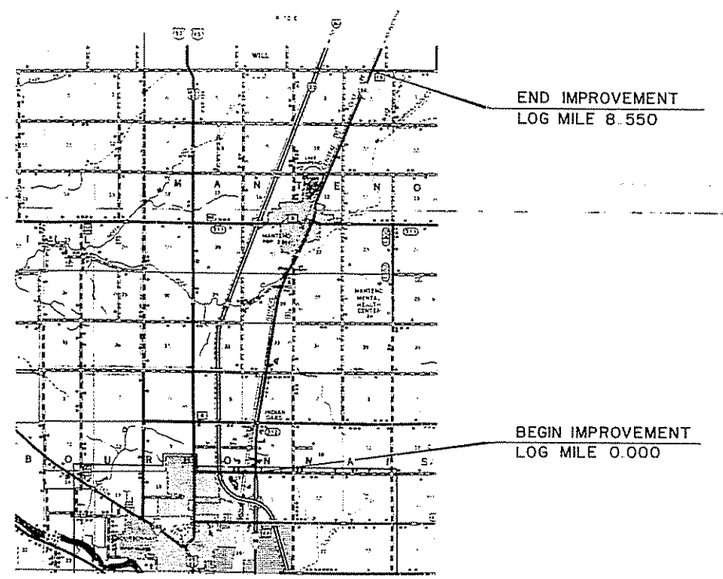
SHEET NO.	ITEM
1	COVER SHEET
2	TYPICAL SECTION, DETAILS, SCHEDULE & SUMMARY OF QUANTITIES

STANDARDS

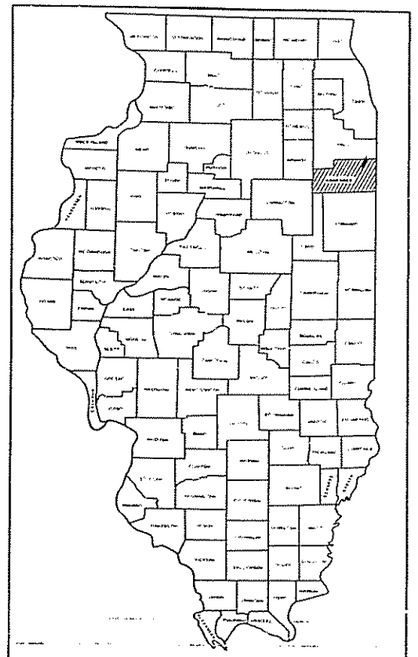
2298-4	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2299-8	DESIGN OF TRAFFIC CONTROL DEVICES
2300-1	FLAGMAN TRAFFIC CONTROL SIGN
2301-3	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE I)
2302-3	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE II)
2305-3	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE V)
2306-4	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE VI)
2307-4	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE VII)

SCALE IN MILES

0ML 1ML 2ML 3ML



LOCATION MAP



LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 5/7 19 80
R.H. Blessinger
DISTRICT ENGINEER

EXAMINED 6/3 19 80
N.H. Wilson
ENGINEER OF PLANS AND CONTRACTS

PASSED 6/3 19 80
Thomas R. Bright
ENGINEER OF DESIGN

APPROVED 6/3 19 80
F.W. Mooney
DIRECTOR, DIVISION OF HIGHWAYS

LENGTH OF IMPROVEMENT

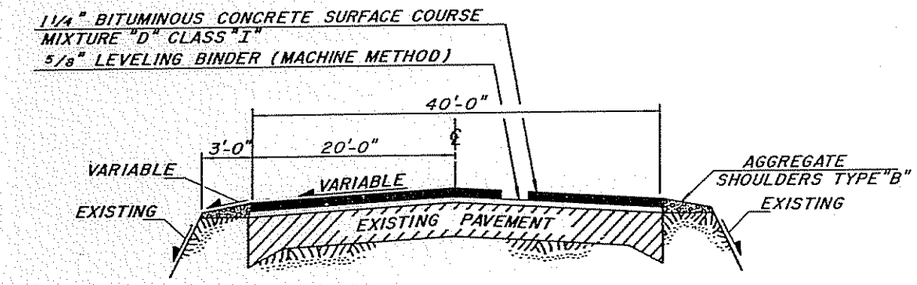
GROSS: 45,144.00 FEET = 8.550 MILES

NET: 6,660.00 FEET = 1.261 MILES

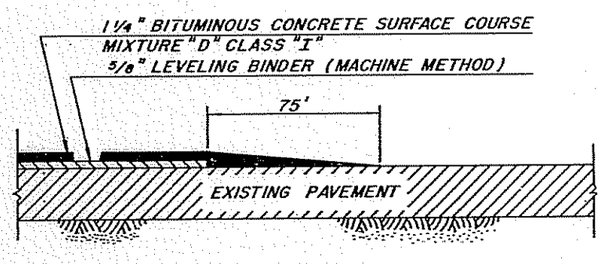
CONTRACT NO. 34532

S.B.I. RTE. 49 (ILL. RTE. 50), SECT. (140,141) RS. KANKAKEE COUNTY
DESIGNED BY: WILLIAM PEARSON

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
S.B.I. 49	(140,41) RS	KANKAKEE	2	2
F.H.W.A. REG. 4	ILLINOIS	PROJECT		



TYPICAL SECTION



TAPER DETAIL

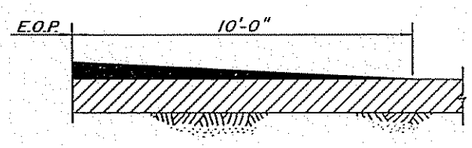
CODE NO.	ITEM	UNIT	QUANTITY
215012	AGGREGATE SHOULDERS TYPE B	TON	392
406001*	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2667
406003*	AGGREGATE (PRIME COAT)	TON	64.4
406005	LEVEL BINDER (MACHINE METHOD)	TON	1039
406013*	BITUMINOUS CONCRETE SURFACE COURSE MIX. D CLASS I	TON	2286
646004*	ENGINEER'S FIELD OFFICE TYPE A	CAL.MO.	2
647001	PAVEMENT MARKING TAPE	LIN.FT.	850
X04748	MOBILIZATION	L.SUM	1

LOG MI. 0.0013 AT THE END OF THE CONCRETE PAV'T ±307' NORTH OF THE SIDEROAD, LOCATED 1.0 MILE SOUTH OF INDIAN ACRES, AND EXTENDS NORTHERLY ON ILL. RTE. 50.

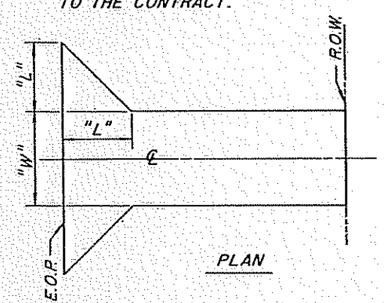
LOG MILE ILL. RTE. 50	LENGTH FEET	TAPERS REQ'D	5/8" LEVEL BIND MACHINE METHOD TON	1¼" BIT.CONC. SURF.CSE. CL.I TON	BIT.PRIME GAL	AGG. PRIME TON	AGG. SHLDR. TYPE B TON	PAV'T MARKING TAPE LIN.FT.
0.00 - 0.96	5070	2	791	1582	1805	46.5	289	608
5.80 - 6.90	530	2	83	166	189	5.5	30	64
8.35 - 8.55	1060	2	165	331	377	10	60	124
OVERLAY TOTALS	6660		1039	2079	2371	62	379	796
TAPER TOTALS		6		162	96	2.4	13	54
ENTRANCES & SIDEROADS				45	200			
GRAND TOTALS			1039	2286	2667	64.4	392	850

TYPE	"L"	"W"
PRIVATE	3'	24' MAX.
FIELD	NO BIT. SURF.	
COMMERCIAL	3'	35' MAX.
SIDE ROAD	10'	20' & VAR.

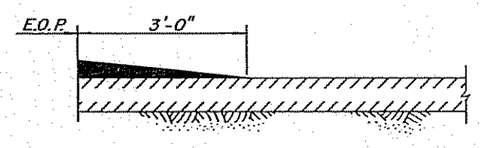
NOTE:
ANY SHAPING REQUIRED AT ENTRANCES SHALL BE INCIDENTAL TO THE CONTRACT.



SIDE ROADS



PLAN



COMMERCIAL AND PRIVATE ENTRANCES

DETAIL AT ENTRANCES AND SIDE ROADS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED

STATE BOND ISSUE HIGHWAY

S.B. I. ROUTE 49 (ILL. RTE 50)
SEC. (140,141) W & RS, 141 B-I

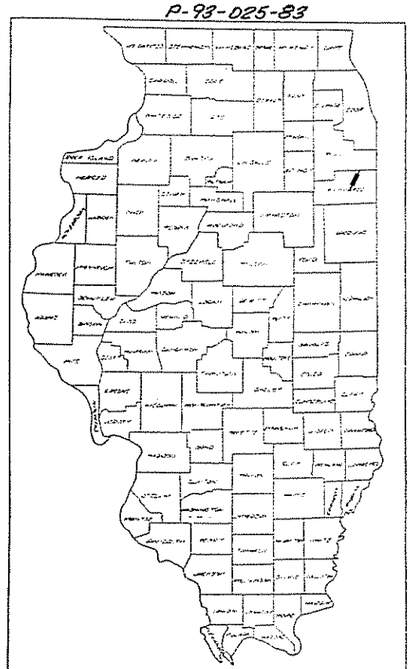
KANKAKEE COUNTY

C-93-071-84

SB149	*	KANKAKEE	68	1

* (140,141) W&RS, 141 B-I

P-93-025-83



LOCATION OF SECTION INDICATED THUS:—

DESIGN DESIGNATION
925(04) MAJOR COLLECTOR 4.89 (B-20)

INDEX OF SHEETS

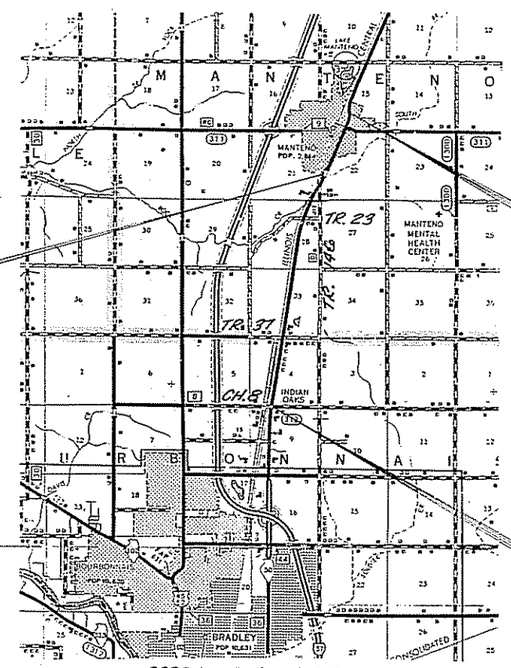
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
3-4	DETAILS
5	SUMMARY OF QUANTITIES AND GENERAL NOTES
6-9	QUANTITY SCHEDULES
10-13	DRAINAGE TABLE
14-22	AERIAL VIEWS
23-33	PLAN AND PROFILE
34-44	SIDEWALK, CURB AND GUTTER REMOVAL
45-47	BRIDGE REHABILITATION DETAILS
48-66	CROSS SECTIONS
67	TRAFFIC CONTROL U-2
68	TRAFFIC CONTROL U-4

STANDARDS

1527-9	MANHOLE TYPE A
1538-5	CATCH BASIN, TYPE C
1683-4	INLET TYPE A
1686-4	SYMBOLS AND ABBREVIATIONS
2113-2	DETAIL OF NAME PLATE FOR BRIDGES
2117-1	PATCHING DETAILS (BITUMINOUS)
2130-8	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
2149-11	DELINEATORS
2171	MAILBOX TURNOUT
2213-4	FRAME AND LIDS TYPE 1
2214-4	FRAME AND GRAGE TYPE 3
2217-3	GRATE, TYPE 8
2218-3	FRAME AND GRATES TYPE 9
2226-4	BASE, FRAME AND LIDS TYPE 5
2228-4	METAL END SECTIONS FOR PIPE CULVERTS
2230-13	STEEL PLATE BEAM GUARDRAIL
2262-4	R.C. PIPE ELBOW AND PRC FLARED END SECTION
2263-3	R.C. PIPE TEE
2298-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2299-10	DESIGN OF TRAFFIC CONTROL DEVICES
2300-3	FLAGMAN TRAFFIC CONTROL SIGN
2305-5	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2306-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2307-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2311-8	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2314-5	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2315-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2318-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2336-3	TRAFFIC BARRIER TERMINAL TYPE 1 AND 1A
2349	INLET TYPE B
2350-3	METAL POST FOR SIGNS, MARKERS AND DELINEATORS
2354-1	PRC FLAT TOP SLAB FOR MANHOLES, CATCH BASINS AND VALVE VAULTS
2356	SIDEWALK RAMPS FOR THE HANDICAPPED

STRUCTURE #046-0043
STA. 434+00

PROJECT ENDS @ SIXTH ST.
STA. 484+50



PROJECT BEGINS @ INDIAN OAKS
ROAD - STA. 244+20

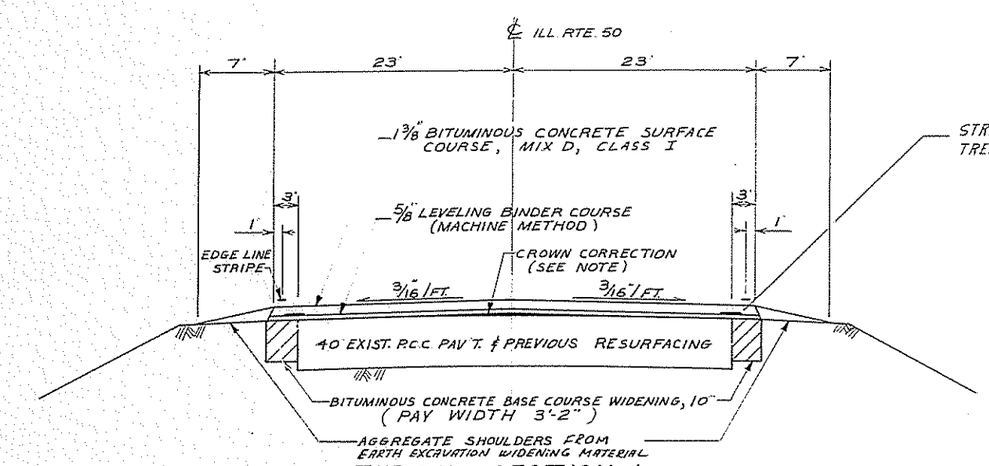
APPROXIMATE LAYOUT
SCALE: 1" = 1 MILE

NET = GROSS LENGTH OF PROJECT 24,030 FEET = 4.551 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 6-12 19 84
DISTRICT ENGINEER
EXAMINED 6-29 19 84
ENGINEER OF BRIDGES AND STRUCTURES
PASSED 6-29 19 84
ENGINEER OF DESIGN
APPROVED 6-29 19 84
DIRECTOR DIVISION OF HIGHWAYS

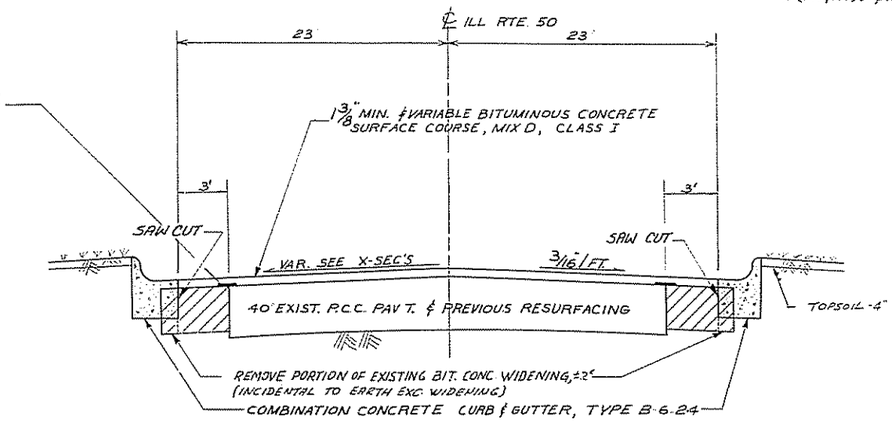
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED
DIVISION ADMINISTRATOR DATE



TYPICAL SECTION 1
STA. 244 + 20 TO 433 + 58.35

CROWN CORRECTION NOTE:
TO ESTABLISH A 3/16" PER FOOT SLOPE FOR THE ROADWAY, A CROWN CORRECTION OF 40 LBS. PER SQ. YD. HAS BEEN INCLUDED IN THE LEVELING BINDER QUANTITIES FOR THE PASSING LANES ONLY, (THE INTERIOR 11' LANES).

STRIP REF. CRACK CONTROL TREATMENT - SYSTEM "A"



TYPICAL SECTION 3
STA. 476+22 TO 484+50 *

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: _____
DISTRICT ENGINEER OF DESIGN

DATE: _____

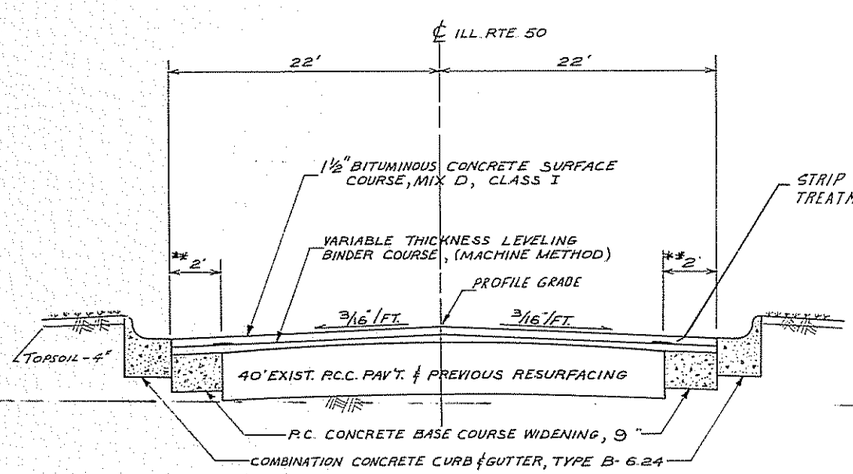
EXAMINED BY: _____
DISTRICT ENGINEER OF CONSTRUCTION

_____
DISTRICT ENGINEER OF MAINTENANCE

_____
DISTRICT ENGINEER OF TRAFFIC

_____
DISTRICT ENGINEER OF MATERIALS

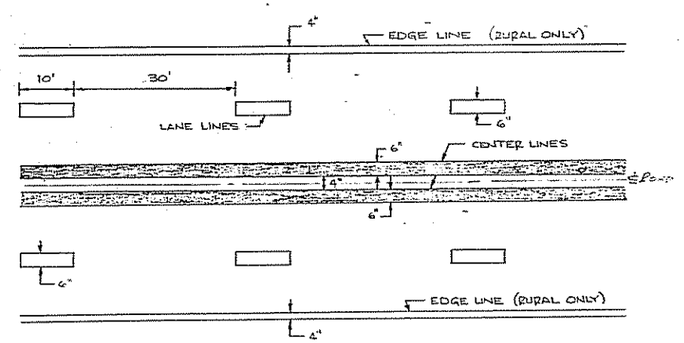
_____
DISTRICT ENGINEER OF PLANNING



TYPICAL SECTION 2
STA. 434 + 41.65 TO 474 + 72 *

STRIP REF. CRACK CONTROL TREATMENT - SYSTEM "A"

TRAFFIC DATA	
1994 ADT:	6400
% M.U.:	4.2



PAVEMENT MARKING DETAIL

COLOR
CENTERLINE - - - - - - - - - YELLOW
LANE LINE & EDGE LINE - - - WHITE

* EXCEPT INTERSECTIONS

** 150' WIDTH TRANSITION TO MEET EXISTING 3' WIDENING AT 476+22

TYPICAL SECTIONS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
S.B.I.49	*	KANKAKEE		5
F.H.W.A. REG. 4	ILLINOIS	PROJECT		

*(140, 141) W&RS, 141 B-1

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL	CONSTRUCTION TYPE CODE: SFTY 3A ILL. RTE. 50 STATE 100%	SFTY 2D BRIDGE STATE 100%	SFTY 3A URBAN ILL. RTE. 50 100% STATE	SFTY 3A MANTENO 100%
201002	TREE REMOVAL (OVER 15 INCH DIAMETER)	IN DIA	120	120			
202001	EARTH EXCAVATION	CU YD	929	208		721	
202005*	EARTH EXCAVATION (WIDENING)	CU YD	4142	3694		448	
202011*	GRADING EXISTING SHOULDER	UNIT	14	14			
210001*	TRENCH BACKFILL	CU YD	1763			1763	
216008*	TOPSOIL	CU YD	902			902	
304004*	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	565			565	
305004*	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	1791			1791	
306005*	BITUMINOUS CONCRETE BASE COURSE WIDENING 10"	SQ YD	13327	13327			
308007*	BITUMINOUS BASE COURSE 10"	SQ YD	750	750			
402008**	AGGREGATE SURFACE COURSE, TYPE B	TON	100	50		50	
406001*	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	10643	8514		2129	
406003	AGGREGATE (PRIME COAT)	TON	223	171		52	
406004	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	32	25		7	
406005*	LEVELING BINDER (MACHINE METHOD)	TON	8355	6436		1919	
406006*	LEVELING BINDER (HAND METHOD)	TON	58	48		10	
406013*	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D; CLASS I	TON	10690	8334		2356	
407004*	INCIDENTAL BITUMINOUS SURFACING	TON	34			34	
408013*	PROTECTIVE COAT	SQ YD	3596			3596	
501024	CONCRETE REMOVAL	CU YD	24		24		
501029	EXPANSION BOLTS 3/4 INCH	EACH	6	6			
501045*	CONCRETE HEADWALL REMOVAL	CU YD	5.4	5.4			
503001	FLOOR DRAINS	EACH	12		12		
503003	PROTECTIVE COAT	SQ YD	29		29		
504003	CLASS "X" CONCRETE	CU YD	17.3	0.4	16.9		
X508104	STEEL RAILING, TYPE T-1	LIN FT	172		172		
511025	PIPE CULVERTS, TYPE 1 15"	LIN FT	35	25		10	
511026	PIPE CULVERTS, TYPE 1 18"	LIN FT	10	10			
511049	PIPE CULVERTS, TYPE 1 RCCP 36"	LIN FT	15	15			
511760	END SECTIONS 15"	EACH	8	3		5	
511761	END SECTIONS 18"	EACH	2	2			
511776	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3			3	
511782	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1			1	
511784	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1			1	
511913	REINFORCED CONCRETE PIPE ELBOW 36"	EACH	1	1			
512001	REINFORCEMENT BARS	POUND	2789	40	2749		
603005	STORM SEWERS, TYPE 1 12"	LIN FT	1199			1199	
603009	STORM SEWERS, TYPE 1 18"	LIN FT	60			60	
603012	STORM SEWERS, TYPE 1 24"	LIN FT	55			55	
603014	STORM SEWERS, TYPE 1 30"	LIN FT	314			314	
603036	STORM SEWERS, TYPE 2 15"	LIN FT	572			572	
603038	STORM SEWERS, TYPE 2 18"	LIN FT	1418			1418	
603040	STORM SEWERS, TYPE 2 21"	LIN FT	443			443	
603041	STORM SEWERS, TYPE 2 24"	LIN FT	677			677	
603043	STORM SEWERS, TYPE 2 30"	LIN FT	108			108	
612076	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1			1	
612183	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	9			9	
612210	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	7			7	
612211	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2			2	
612357	INLETS TYPE A, TYPE 3 FRAME AND GRATE	EACH	29			29	
612359	INLETS TYPE A, TYPE 5 FRAME, OPEN LID	EACH	1	1			
612366	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	1			1	
612502	CATCH BASINS TO BE ADJUSTED	EACH	5			5	
612504	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1			1	
612509	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 5 FRAME, CLOSED LID	EACH	2			2	
612554*	CATCH BASINS TO BE REMOVED	EACH	1			1	
612555*	MANHOLES TO BE ADJUSTED	EACH	1			1	
612657	VALVE VAULTS TO BE ADJUSTED	EACH	1			1	
612666*	VALVE BOXES TO BE ADJUSTED	EACH	5			5	
612669*	VALVE BOXES TO BE MOVED	EACH	1			1	
615003	FILLING EXISTING INLETS	EACH	4			4	
616050	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	LIN FT	10070			10070	
617002	DRIVEWAY PAVEMENT REMOVAL	SQ YD	364			364	
617003	CURB REMOVAL	LIN FT	1107			1107	
617004*	GUTTER REMOVAL	LIN FT	208			208	
617006	SIDEWALK REMOVAL	SQ FT	9577			9577	
617010*	BITUMINOUS CONCRETE SURFACE REMOVAL	SQ YD	773	293		480	
620019*	PAVEMENT REMOVAL & BIT. REPLACEMENT, T-1.10"	SQ YD	511	459		52	
620020*	PAVEMENT REMVOAL & BIT. REPLACEMENT, T-2.10"	SQ YD	314	224		90	
620021*	PAVEMENT REMOVAL & BIT. REPLACEMENT, T-3.10"	SQ YD	78	78			
625002	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	239			239	
624001*	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	12239				12239
502004	ROCK EXCAVATION FOR STRUCTURES	CU.YD.	450			450	
X40553	STRIP REFLECTIVE CRACK CONTROL TREATMENT "A"	LIN FT.	49000	37500		11500	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL	CONSTRUCTION TYPE CODE: SFTY 3A ILL. RTE. 50 STATE 100%	SFTY 2D BRIDGE STATE 100%	SFTY 3A URBAN ILL. RTE. 50 100% STATE	SFTY 3A MANTENO 100%
640001*	FIRE HYDRANTS TO BE MOVED	EACH	1			1	
624003	PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH	SQ FT	2280			2280	
X08973	BITUMINOUS CONCRETE DRIVEWAY SPECIAL	SQ.YD.	1161			1161	
644001*	SODDING	SQ YD	8126			8126	
644002	SUPPLEMENTAL WATERING	UNIT	82			82	
646004*	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	4		5	
646006*	ENGINEER'S FIELD LABORATORY	CAL MO	9	4		5	
647001*	PAVEMENT MARKING TAPE	LIN FT	28904	22822		6082	
648004*	TRAFFIC CONTROL AND PROTECTION, STANDARD 2318	EACH	2	1		1	
648005*	TRAFFIC CONTROL AND PROTECTION, STANDARD 2311	L SUM	1	0.5		0.5	
648007	TRAFFIC CONTROL AND PROTECTION, STANDARD 2315	L SUM	1	0.5		0.5	
T50202*	PAINT PAVEMENT MARKING - LINE 4"	LIN FT	38036	38036			
T50204*	PAINT PAVEMENT MARKING - LINE 6"	LIN FT	60216	47545		12671	
X04746	MOBILIZATION	L SUM	1	0.5		0.5	
X60110	STONE DUMPED RIPRAP	SQ YD	27			27	
X62835	TRAFFIC BARRIER TERMINAL, TYPE 1A	EACH	4	2		2	
X62837	STEEL PLATE BEAM GUARDRAIL, TYPE A	LIN FT	337.5	125		212.5	
X62843	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	2		2	
X612A2*	INLETS TYPE B, TYPE 3 FRAME AND GRATE	EACH	15			15	
X612A8	INLETS TYPE B, TYPE 9 FRAME AND GRATE	EACH	1			1	
Z10165	CONCRETE COLLAR	EACH	2			2	
XZ1175*	EPOXY MORTAR REPAIR	CU FT	40		40		

*SEE SPECIAL PROVSIONS
**INCLUDED TO ESTABLISH A UNIT BID PRICE

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PREMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

THE DIMENSIONS AND LOCATIONS OF UTILITY FACILITIES AS SHOWN ON THESE PLANS ARE AN ESTIMATE FOR DESIGN PURPOSES ONLY, AND ARE NOT INTENDED FOR USE AS FIELD LOCATIONS FOR CONSTRUCTION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. THE FOLLOWING UTILITIES LOCATED WITHIN THE LIMITS OF THIS IMPROVEMENT ARE MEMBERS OF J.U.L.I.E.:

COMMONWEALTH EDISON COMPANY
ILLINOIS POWER COMPANY
NORTHERN ILLINOIS GAS COMPANY

A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED FOR NONEMERGENCY WORK.

ESTIMATE RATE OF APPLICATION

ALL GRANULAR MATERIALS	2.05 TONS/CU YD
BITUMINOUS CONCRETE SURFACE COURSE	112 LBS/IN/SQ YD
BITUMINOUS MATERIALS, PRIME COAT, ON GRAVEL	0.375 GAL/SQ YD
BITUMINOUS MATERIALS, PRIME COAT, ON PAVEMENT	0.08 GAL/SQ YD
AGGREGATE PRIME COAT	0.002 TONS/SQ YD
MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	0003 TONS/SQ YD
NITROGEN FERTILIZER NUTRIENTS	80 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENTS	160 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENTS	80 LBS/ACRE
MULCH	2 TONS/ACRE
EMULSIFIED ASPHALT	100 GAL/TON OF MULCH
PAVEMENT MARKING TAPE	4 FT/100 FT OF APPLICATION
SUPPLEMENTAL WATERING	10 GAL/SQ YD (1000 GAL/UNIT)
LEVELING BINDER (MACHINE METHOD)	112 LBS/IN/SQ YD
LEVELING BINDER (HAND METHOD)	0.0005 TONS/SQ YD

SUMMARY OF QUANTITIES AND GENERAL NOTES

Rev 7-24-84

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
581 49	*	KANKAKEE		6
F.H.W.A. REG. 4	ILLINOIS	PROJECT		

*(140, 141) W & RS, 141 B-I

SCHEDULE OF PAVEMENT ITEMS

LOCATION	BIT. CONC SURF CSE MIX D, CL. I TONS	LEVEL BIND MACH METH TONS	BIT. MATLS. (PRIME COAT) GALLON	AGG. PRIME COAT TONS	MIX FOR CRACKS, JOINTS, ETC TONS	BIT BASE CSE. 10" SQ YD.	BIT. BASE CSE WIDENING 10" SQ. YDS.	PCC BASE CSE 9" SQ YDS	PCC BASE CSE WIDENING 9" SQ YDS		BIT. CONC SURFACE REMOVAL SQ. YDS.	LEVEL BIND HAND METHOD TONS
STA 244+20 TO 433+58.25:												
MAINLINE & TAPERS, M.BOXES (1)	7500	4335	6767	169	25 1	-	13327	-	-		293	48
RURAL CROSSROADS (4)	113	81	60	2	0 3	750	-	-	-	-	-	-
"1" BIT. LEVELING BINDER OVERLAYS	-	2020	-	-	-	-	-	-	-	-	-	-
SUBTOTAL - RURAL	7613	6436	6827	171	25.4	750	13327	-	-		293	48
STA 433+58.25 TO 434+41.65: BRIDGE OMISSION	-	-	-	-	-	-	-	-	-	-	-	-
STA 434+41.65 TO 474+72:												
MAINLINE & TAPERS	1655	1724	1433	36	6	-	-	-	1791	-	89	10
CITY CROSS. & SIDE STS.	195	195	186	5	0.7	-	-	435	-	-	116	-
STA 474+72 TO 484+50:												
MAINLINE & TAPERS	357	-	373	9.5	0 1	-	-	-	-	-	195	-
CITY CROSS & SIDE STS.	50	-	57	1.5	0.2	-	-	130	-	-	80	-
SUBTOTAL - URBAN	2257	1919	2049	52	7.0	-	-	565	1791	-	480	10
GRAND TOTALS	9870	8355	8876	223	32 4	750	13327	565	1791		773	58

* SEE SCHEDULE OF BIT. OVERLAYS

BITUMINOUS SHOULDER REMOVAL

STATION	LIN. FT.	SQ. YD.
LT 474+72 TO 476+40	168	18.7
RT 474+72 TO 476+35	163	18.1
LT 477+02 TO 483+59	657	73.0
RT 476+97 TO 480+92	395	43 9
RT 481+55 TO 484+50	295	32 8
LT 484+34 TO 484+50	16	1.8
TOTAL		188 0

THE FOLLOWING QUANTITIES ARE TO BE USED TO SURFACE THE STATE OF ILLINOIS MAINTENANCE HEADQUARTERS YARD AT KANKAKEE, LOCATED JUST EAST OF THE INTERSECTION OF ILLINOIS ROUTE 50 AND BROOKMONT BOULEVARD. THIS WORK SHALL BE DONE AS DIRECTED BY THE ENGINEER. THE AREA TO BE SURFACED ON BASE PREPARED BY THE STATE IS 3,720 SQ. YDS. THE AREA TO BE RESURFACED OVER EXISTING BITUMINOUS IS 3,645 SQ. YDS.

ITEM	UNIT	QUANTITY SURFACE 2"	QUANTITY RESURFACE 1 3/8"*	TOTAL
BITUMINOUS MATERIALS (PRIME COAT)	GAL	1,395	292	1,687
BITUMINOUS CONC. SURF. CSE. MIX D, CLASS I	TON	~~440~~	281	721

CONCRETE HEADWALL REMOVAL

LOCATION	NUMBER	CU. YDS.
STA 245+72 LT. (N. END)	1	0.3
STA. 300+30 LT. (N&S ENDS)	2	0.6
TR 37 RT (N&S ENDS)	2	0.6
STA 394+85 RT (N&S ENDS)	2	1.2
STA 420+58 LT	2	1.8
SUBTOTAL - RURAL	9	4.5
STA 480+24 LT	2	0.6
STA 481+73 LT	1	0.3
SUBTOTAL - URBAN	3	0.9
GRAND TOTAL	12	5.4

SIDEWALK REMOVAL

STATION	TO STATION	SIDE	AREA SQ FT
450±83	452±16	RT	549
452±39	454±88	RT	1015
455±19	465±70	RT	4231
466±62	468±02	RT	564
470±00	470±73	RT	306
SUBTOTAL		RT	6665
454±02	454±73	LT	320
459±31	459±42	LT	64
460±11	462±58	LT	999
463±75	464±20	LT	126
465±92	466±42	LT	228
466±82	466±87	LT	23
467±36	468±10	LT	296
468±95	469±02	LT	28
469±29	470±72	LT	572
471±09	471±55	LT	184
471±91	472±07	LT	72
SUBTOTAL		LT	2912
GRAND TOTAL			9577

TEMPORARY PAVEMENT MARKING TAPE

LOCATION	LIN. FT.
243+40 - 433+58	
CENTERLINES (YELLOW)	11.411
LANE LINES (WHITE)	11,411
SUBTOTAL RURAL	22.822
434+42 - 485+10	
CENTERLINES (YELLOW)	3,041
LANE LINES (WHITE)	3.041
SUBTOTAL URBAN	6,082
GRAND TOTAL	28,904

CURB REMOVAL

LOCATION	SIDE	LIN. FT.
442+26	RT	75
442+47	LT	35
443+74	RT	105
444+23	LT	30
448+36	RT	75
450+22	RT	150
450+31	LT	10
459+75	LT	85
469+00	RT	40
470+73	RT	15
471+20	RT	30
471+30	LT	50
472+00	RT	70
472+00	LT	40
475+37	LT	124
481+50	RT	40
482+40	RT	90
483+71	LT	15
484+30	LT	25
TOTAL		1107

PROTECTIVE COAT

LOCATION	SQ YD
COMB. CONC CURB & GUTTER B-6 24	3,357
P.C.C. DRIVEWAY PAVEMENT	239
TOTAL	3596

GUTTER REMOVAL

STATION	SIDE	WIDTH (FT.)	LENGTH (LIN FT)
472±65	RT	3'	60
473+62 - 475+00	LT	4'	138
476+33 - 476+43	LT	4'	10
TOTAL			208

QUANTITY SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
S.B.I. 49	*	KANKAKEE		8
F.H.W.A. REG. 4	ILLINOIS	PROJECT		

* (140, 141) W/RS, 141 B-1

TREE REMOVAL			
LOCATION			
STATION	FROM PAVT. EDGE	SIDE	15" & OVER IN DIA.
247+40±	14'	LT	24
407+20±	14'	LT	18
419+00±	15'	LT	18
425+35±	16'	LT	24
427+10±	15'	RT	20
429+50±	12'	RT	16
TOTAL			120

CATCH BASINS TO BE ADJUSTED		
LOCATION	OFFSET	EACH
442+55	32' LT	1
444+41	36' LT	1
450+53	43' LT	1
455+29	42' LT	1
E. FOURTH ST.		
7+12	4' RT	1
TOTAL		5

TOPSOIL AND SODDING			
LOCATION	SIDE	TOPSOIL 4" (CU YD)	SODDING (SQ YD)
434+50 TO 450+15	LT	245	2206
	RT	229	2060
450+60 TO 454+80	LT	23	210
	RT	26	233
455+30 TO 459+45	LT	19	175
	RT	26	233
460+05 TO 464+25	LT	31	280
	RT	27	241
464+75 TO 468+90	LT	23	211
	RT	20	183
469+50 TO 472+00	LT	12	107
	RT	9	84
472+60 TO 476+50	LT	26	229
	RT	29	262
476+85 TO 485+00	LT	98	879
	RT	59	533
TOTAL		902	8126

CATCH BASING TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID		
LOCATION	OFFSET	EACH
448+57	34' RT	1
	TOTAL	1

VALVE BOXES TO BE ADJUSTED		
LOCATION	OFFSET	EACH
456+87	30' LT	1
458+73	30' LT	1
461+37	31' RT	1
461+62	30' RT	1
466+65	34' LT	1
TOTAL		5

CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 5 FRAME, CLOSED LID		
LOCATION	OFFSET	EACH
464+36	38' LT	1
469+09	35' LT	1
TOTAL		2

FIRE HYDRANTS TO BE MOVED		
LOCATION	OFFSET	EACH
454+78	30'	1
TOTAL		1

CATCH BASINS TO BE REMOVED		
LOCATION	OFFSET	EACH
450+65	28' RT	1

VALVE BOXES TO BE MOVED		
LOCATION	OFFSET	EACH
470+15	29' RT	1
TOTAL		1

MANHOLES TO BE ADJUSTED		
LOCATION	OFFSET	EACH
455+19	43' LT	1
TOTAL		1

PAINT PAVEMENT MARKING LINE		
LOCATION	4" (LIN FT)	6" (LIN FT)
STA. 243+40 TO 433+58.25		
CENTERLINES		38036
LANELINES		9509
EDGELINES	38036	
SUBTOTAL - RURAL	38036	47545
STA. 434+41.65 TO 485+10		
CENTERLINES		10137
LANELINES		2534
SUBTOTAL - URBAN		12671
GRAND TOTAL	38036	60216

PIPE CULVERTS, TYPE I							
LOCATION	PIPE CULVERT 15" (LIN. FT.)	PIPE CULVERT 18" (LIN. FT.)	R.C.C.P. 36" (LIN. FT.)	END SECTION 15" (EACH)	END SECTION 18" (EACH)	P.R.C. FLARED END SEC 36" (EACH)	REINF CONC. ELBOW 36" (EACH)
STA. 245+72 LT (N. END)	5			1			
INDIAN OAKS RD (S. END)	15			1			
STA. 300+30 LT (N END)		5			1		
TR 37 (S. END)		5			1		
STA. 300+30 RT	5			1			
STA. 394+50 LT			15			1	1
SUBTOTAL - RURAL	25	10	15	3	2	1	1
STA. 437+45 RT	5			1			
STA. 437+61 RT	5			1			
				1			
				1			
				1			
SUBTOTAL - URBAN	10			5			
GRAND TOTAL	35	10	15	8	2	1	1

VALVE VAULTS TO BE ADJUSTED		
LOCATION	OFFSET	EACH
449+91	27' LT	1
TOTAL		1

FILLING EXISTING INLETS		
LOCATION	OFFSET	EACH
447+78	30' RT	1
482+32	30' RT	1
468+75	30' RT	1
TOTAL		3

EARTH EXCAVATION (WIDENING)	
LOCATION	EARTH EXCAV. (WIDENING) (CU. YD.)
STA. 244+20 TO STA. 433+58.35	3694
SUBTOTAL - RURAL	3694
STA. 434+41.65 TO STA. 474+72	448
SUBTOTAL - URBAN	448
GRAND TOTALS	4142

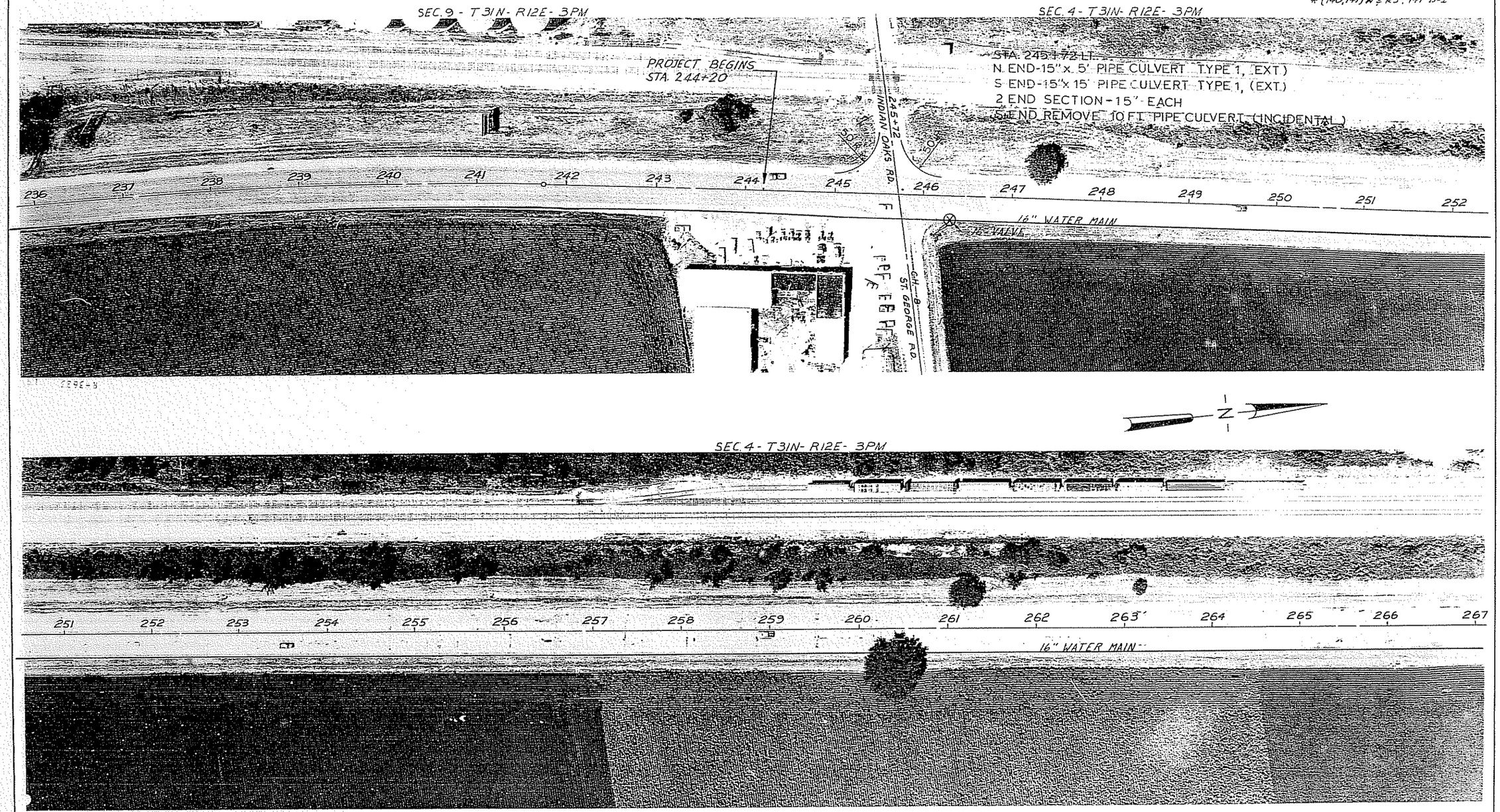
EARTHWORK							
	THEORETICAL		TOPSOIL REQUIRED		ADJUSTED		EXCESS
LOCATION	CUT CU. YD.	FILL CU. YD.	IN CUT CU. YD.	IN FILL CU. YD.	CUT CU. YD.	FILL* CU. YD.	CU. YD.
SIDE ROADS	208				208		208
SUBTOTAL - RURAL	208				208		208
STA. 434+42 TO STA. 484+50	721	1256		902	721	460	261
& STREETS SUBTOTAL - URBAN	721	1256		902	721	460	261
GRAND TOTALS	929	1256		902	929	460	469

* ASSUME SHRINKAGE FACTOR = 1.30

QUANTITY SCHEDULES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
SBI 49	*	KANKAKEE		14
F.H.W.A. REG. 4	ILLINOIS	PROJECT		

* (140,141) W & RS. 141 B-I

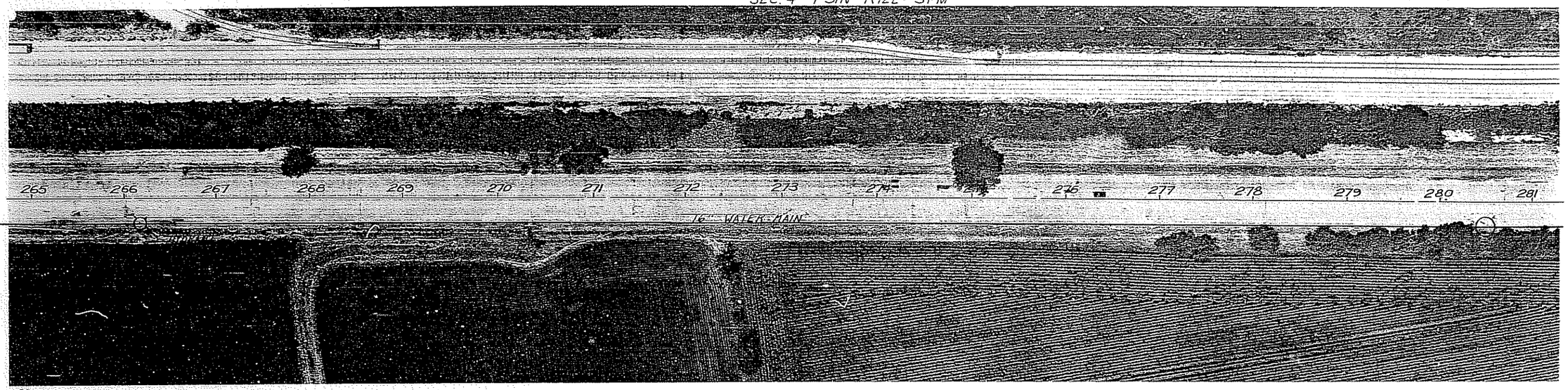


AERIAL VIEW

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
S.B.I 49	*	KANKAKEE		15
F.A.H.A. REG. 4	ILLINOIS	PROJECT		

*(140,141) W'ERS. 141 B-I

SEC. 4 - T 31N - R12E - 3PM



R-5623 21

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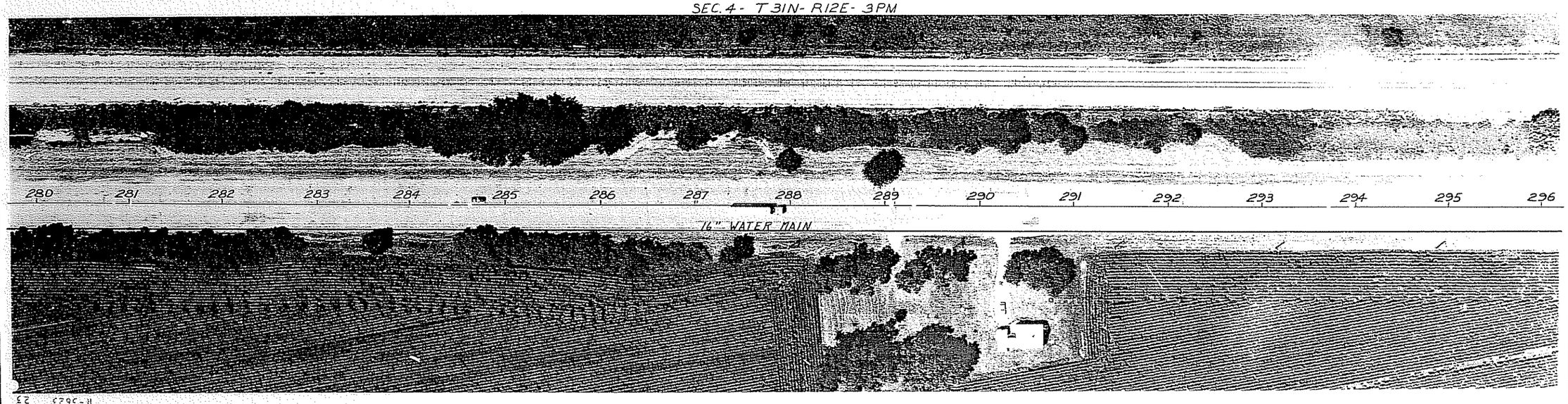
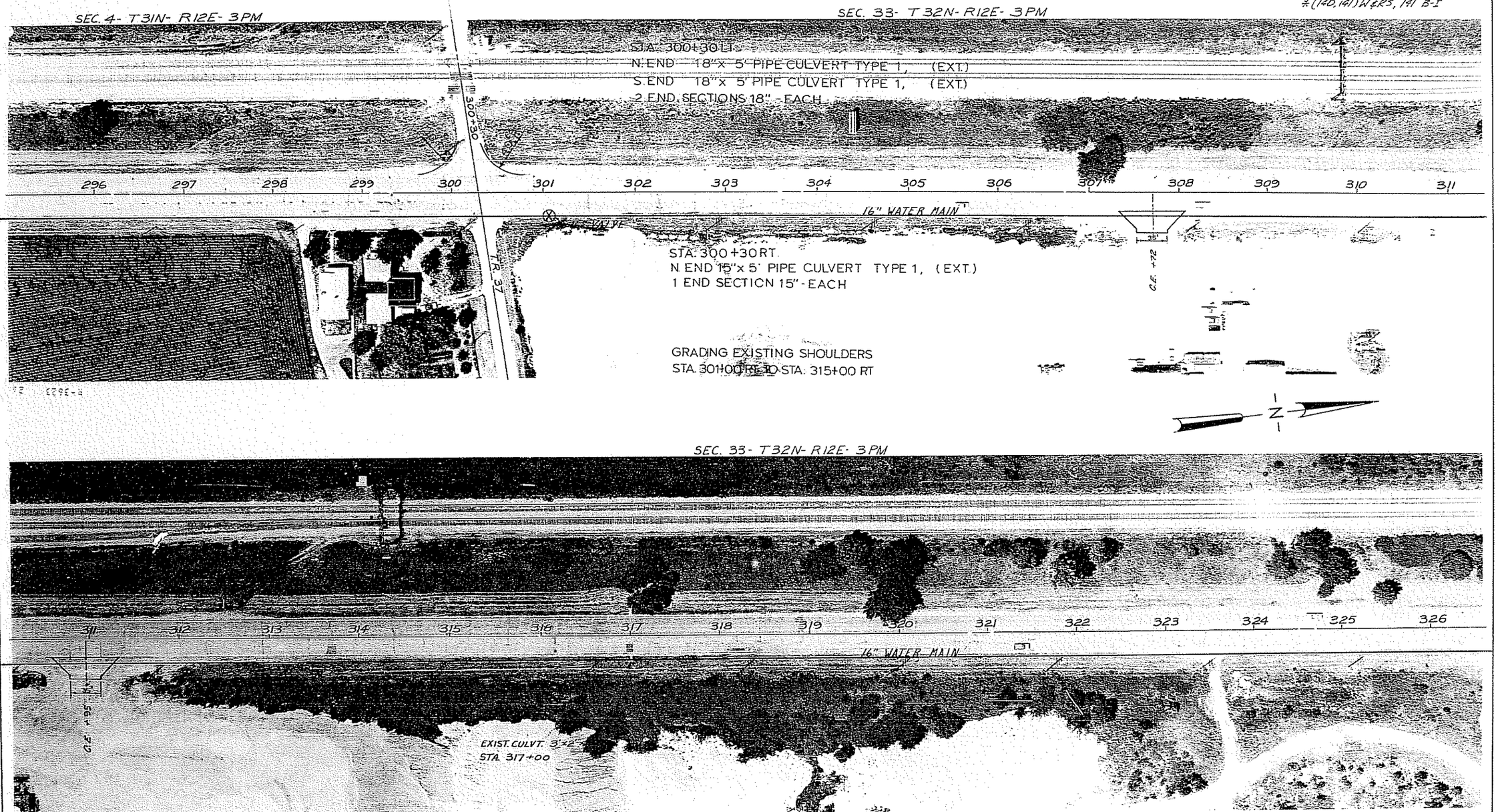


R-5623 23

AERIAL VIEW

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
SBI 49	*	KANKAKEE		16
F.H.W.A. REG. 4	ILLINOIS	PROJECT		

*(140, 141) W&RS, 141 B-5

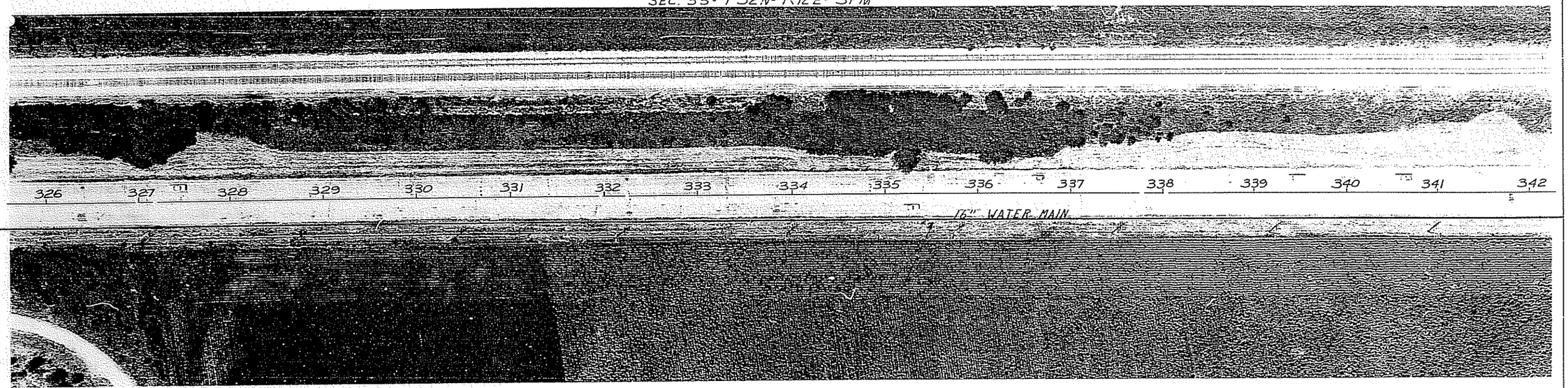


AERIAL VIEW

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
SBI #9	*	KANKAKEE		17
F.H.W.A. REG. 4	ILLINOIS	PROJECT		

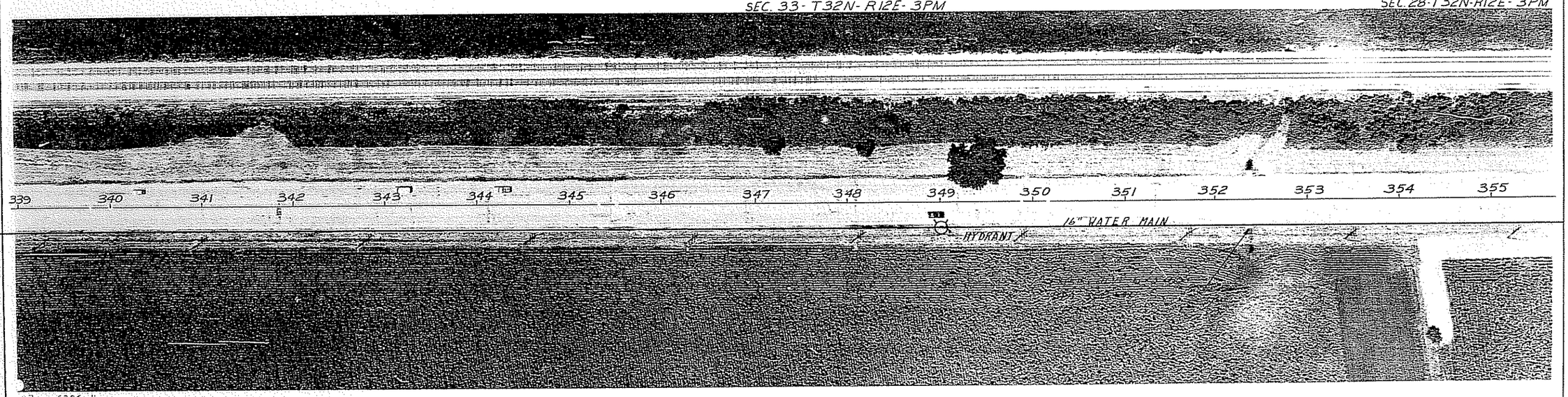
* (140, 141) W & RS, 141 B-I

SEC. 33 - T32N - R12E - 3PM



SEC. 33 - T32N - R12E - 3PM

SEC. 28 - T32N - R12E - 3PM



AERIAL VIEW

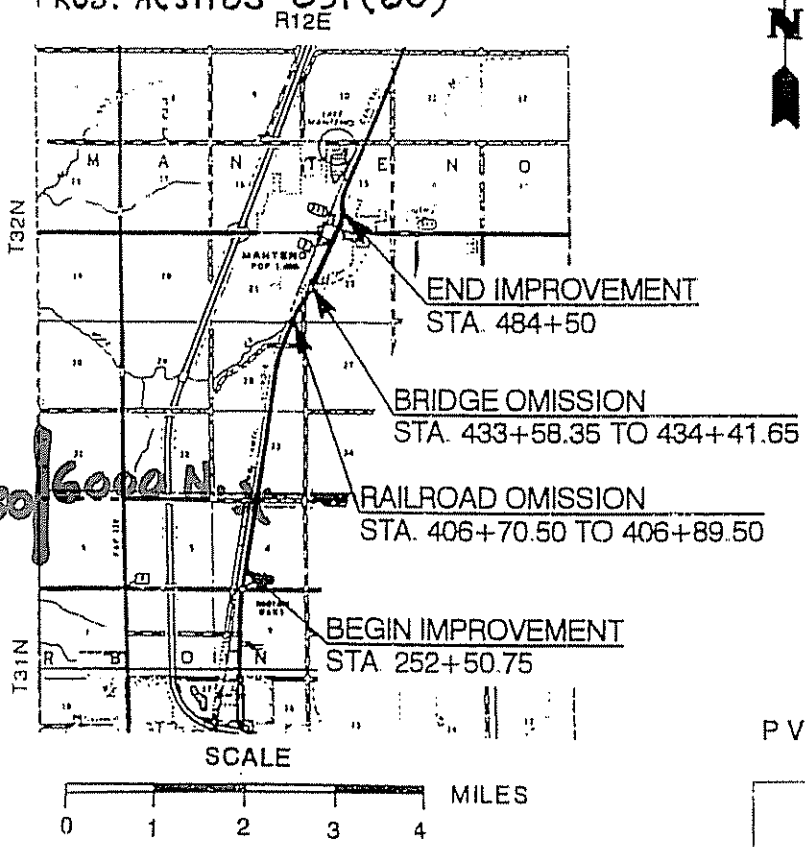
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
SBI 49 (IL 50)	(140,141) RS-1	KANKAKEE	21	1
F.H.W.A. REG. 4		ILLINOIS	PROJECT	

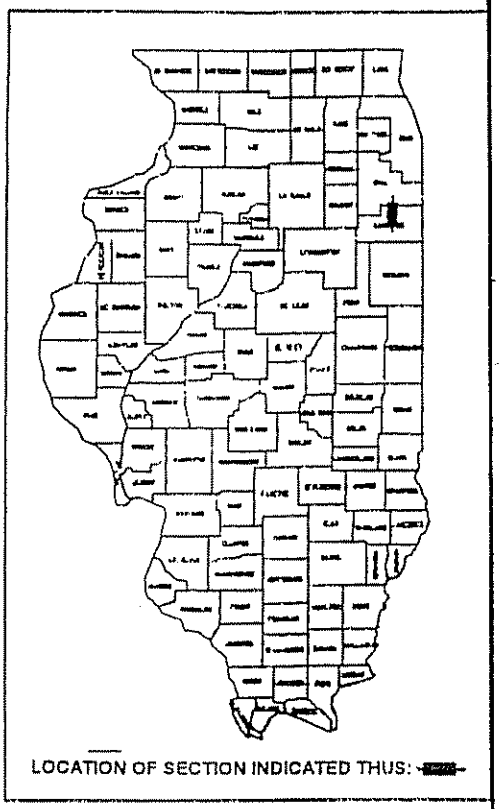
D-93-070-93

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

SBI - 49 (ILL 50)
SECTION (140, 141) RS-1
KANKAKEE COUNTY
C-93-096-93
PROJ. ACSTPOS-091(60)





1993 ADT = 9300
P.V. = 93.8 % S.U. = 2.8 % M.U. = 3.4 %

GROSS LENGTH = 23199.25 LIN. FT. = 4.394 MILES
NET LENGTH = 23096.95 LIN. FT. = 4.374 MILES

NOTE: SEE SHEET 2 FOR INDEX OF SHEETS

DISTRICT #3 (815) 434-6131
JULIE 1-800-892-0123

PROJECT ENGINEER: STEVE ANDREWS
SQUAD CHIEF: **JEFF RIGBY**

TOWNSHIP: BOURBONNAIS, MANTENO

CONTRACT NO. 86468

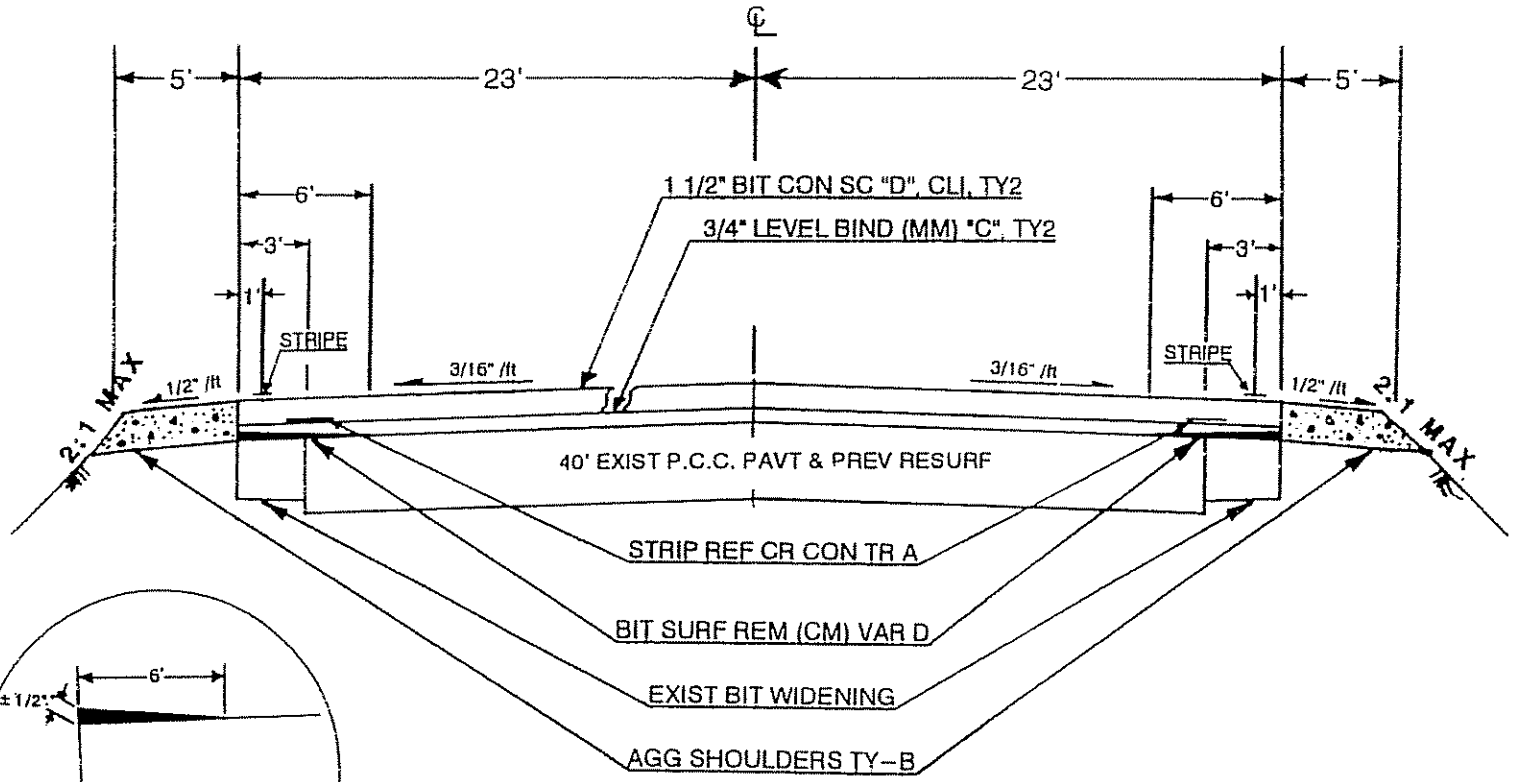
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

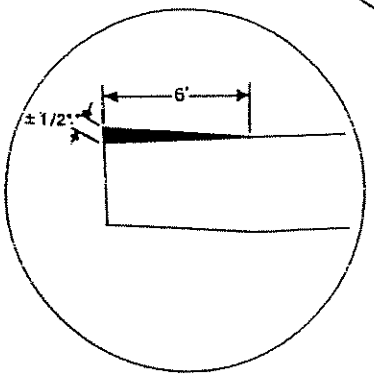
SUBMITTED 3/16 19 94
Ralph E. Dalton
DISTRICT ENGINEER

EXAMINED _____ 19____
ENGINEER OF PLANS AND CONTRACTS

PASSED _____ 19____
ENGINEER OF DESIGN AND ENVIRONMENT

APPROVED _____ 19____
DIRECTOR, DIVISION OF HIGHWAYS





DETAIL
BIT SURF REM (CM) VAR D

TYPICAL SECTION

STA. 252+50.75 TO 433+58.35

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
SBI 49 (IL 50)	(140.141) RS-1	KANKAKEE	21	5
F.H.W.A. REG.4		ILLINOIS	PROJECT	

SUMMARY OF QUANTITIES

80% Fed.
20% State

CONSTRUCTION TYPE CODE: I000

I000

	CODE NO	ITEM	UNIT	TOTAL QUANTITY
*	TZ007780	DETECTOR LOOP TESTING	EACH	4
*	T4180110	DETECTOR LOOP, TYPE I	LIN FT	366
*	T5010100	THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS	SQ FT	245
*	T5010400	THERMOPLASTIC PAVEMENT MARKING – LINE 6"	LIN FT	176
*	T5010600	THERMOPLASTIC PAVEMENT MARKING – LINE 12"	LIN FT	162
*	T5010700	THERMOPLASTIC PAVEMENT MARKING – LINE 24"	LIN FT	182
*	T5020200	PAINT PAVEMENT MARKING – LINE 4"	LIN FT	83498
*	T5020400	PAINT PAVEMENT MARKING – LINE 6"	LIN FT	11645
*	T5040100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1746
	T5170200	TEMPORARY PAVEMENT MARKING, LINE 4"	LIN FT	83498
	T5170400	TEMPORARY PAVEMENT MARKING, LINE 6"	LIN FT	11645
	T5171000	SHORT–TERM PAVEMENT MARKING	LIN FT	20867
	X0300854	RAISED JOINT REMOVAL	EACH	38
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
	20700100	EMBANKMENT	CU YD	26
	21501200	AGGREGATE SHOULDERS, TYPE B	TON	3885
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9670
	40600300	AGGREGATE (PRIME COAT)	TON	242
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	34
	40600570	LEVELING BINDER (MACHINE METHOD), MIXTURE C, TYPE 2	TON	4863
	40600670	LEVELING BINDER (HAND METHOD), MIXTURE C, TYPE 2	TON	56
	40600850	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2	TON	10405
	40600895	CONSTRUCTING TEST STRIP	EACH	1
	40700400	INCIDENTAL BITUMINOUS SURFACING	TON	148
	61700044	BITUMINOUS SURFACE REMOVAL (COLD MILLING) 1"	SQ YD	12343
	61700047	BITUMINOUS SURFACE REMOVAL (COLD MILLING) 2"	SQ YD	12530
	61700070	BITUMINOUS SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH	SQ YD	28768
	64600400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3
	64600700	TRAFFIC CONTROL AND PROTECTION, STANDARD 2315	L SUM	1
	65100900	STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM A	LIN FT	46195

* SPECIALTY ITEMS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
SBI 49 (IL 50)	(140,141) RS-1	KANKAKEE	21	9
F.H.W.A. REG.4		ILLINOIS	PROJECT	

MAINLINE

STATION	LENGTH	WIDTH	BIT. MATLS PR CT	AGG. PRIME COAT	MIX CR JTS FLNGWYS	LEV BIND HM "C" T-2	LEV BIND MM "C" T-2	BIT CON SC "D" CL-1 T-2	AGG. SHLDS TY-B	SHORT TERM PVT MK
	FT	FT	GAL	TON	TON	TON	TON	TON	TON	LIN FT
BEGINNING TAPER 251+60.75 TO 252+50.75	90	46	37	1			2	40	20	81
252+50.75 TO 405+33.50	15282.75	46	6249	156	23	39	3281	6561	3265	13754
R.R. TAPER 405+33.50 TO 406+70.50	137	46	56	1			2	60	30	123
R.R. OMISSION 406+70.50 TO 406+89.50	19									
R.R. TAPER 406+89.50 TO 408+15.50	126	46	52	1			2	56	25	113
408+15.50 TO 432+68.35	2452.85	46	1003	25	4	6	527	1053	525	2208
BRIDGE TAPER 432+68.35 TO 433+58.35	90	46	37	1			2	40	20	81
BRIDGE OMISSION 433+58.35 TO 434+41.65	83.3									
434+41.65 TO 435+07	65.35	59	34	1			18	36		71
435+07 TO 436+01	94	59 TO 44	43	1			23	45		90
436+01 TO 474+72	3871	44	1541	38	6	9	795	1624		3467
474+72 TO 476+22	150	44 TO 46	60	2			32	63		135
476+22 TO 484+50	828	46	347	8	1	2	178	366		745
TOTAL			9459	235	34	56	4862	9944	3885	20868

STRIP REFLECTIVE CRACK CONTROL

STATION	STRIP REF CR CON TR A
	LIN FT
252+50.75 TO 406+70.50 LT & RT	30840
406+89.50 TO 433+58.35 LT & RT	5338
434+41.65 TO 484+50 LT & RT	10017
TOTAL	46195

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
SBI 49 (IL 50)	(140,141) RS-1	KANKAKEE	21	10
P.H.W.A. REG.4		ILLINOIS	PROJECT	

SIDEROADS, ENTRANCES, & TURNOUTS

STATION	DESCRIPTION	AGG PR CT TON	BIT MATLS PR CT GAL	BIT SURF RMV (CM) VAR SQ YD	INC BIT CONC SC TON	BIT CONC SC "D" CL-I T-2 TON	EMBANK CU YD
280+00 LT	PORTABLE SCALE TURNOUT	2	77			121	
290+30 RT	PE & MAILBOX TURNOUT		5		5		
298+44 RT	PE		3		3		
299+63 RT	PE		3		3		
300+30 LT	SIDEROAD > 6000 N.	1	19			27	6
300+30 RT	SIDEROAD	1	9		12		4
307+72 RT **	CE		20			42	
310+95 RT **	CE		20			42	
394+85 LT	SIDEROAD	1	18			25	6
394+85 RT	SIDEROAD	1	9		12		4
418+40 RT **	CE		10		14		
423+54 RT	SIDEROAD	1	18			26	6
446+50 LT	MCGUIRE ST	1	16	215		18	CC&G
450+75 RT	EAST BAKER ST	1	16	215		18	CC&G
450+75 LT	EAST BAKER ST	1	17	228		19	CC&G
455+25 RT	EAST ADAMS ST	1	10	134	11		CC&G
455+25 LT	EAST ADAMS ST	1	13	173		15	CC&G
459+75 LT	WEST DIVISION ST	1	14	187		16	CC&G
459+75 RT	WEST DIVISION ST	1	10	134	11		CC&G
464+50 LT	EAST FIRST ST	1	12	156	13		CC&G
464+50 RT	EAST FIRST ST	1	11	140	12		CC&G
469+25 LT	EAST SECOND ST	1	11	148	12		CC&G
469+25 RT	EAST SECOND ST	1	14	185		16	CC&G
472+50 LT	EAST THIRD ST ST	1	17	221		19	CC&G
472+50 RT	EAST THIRD ST ST	2	36	482		40	CC&G
476+51 LT	EAST FOURTH ST	1	12	157	13		CC&G
476+51 RT	EAST FOURTH ST	1	12	157	13		CC&G
484+50 RT	EAST FIFTH ST	1	13	172	14		CC&G
484+50 LT	EAST SIXTH ST	1	15	205		17	CC&G
	TOTAL	25	460	3309	148	461	26

** GRADING & SHAPING OF ENTRANCE REQUIRED BEFORE PLACEMENT OF BITUMINOUS CONCRETE ADDTIONAL BITUMINOUS CONCRETE INCLUDED @ STA. 307+72 & 310+95 SO THAT THE THICKNESS OF THE ENTRANCE CAN BE INCREASED TO ACCOMODATE TRUCK TRAFFIC

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
SBI 49 (IL 50)	(140,141) RS-1	KANKAKEE	21	11
F.H.W.A. REG. 4		ILLINOIS	PROJECT	

PAVEMENT MARKINGS

STATION	LENGTH	PAINT PVT MK LIN 4 LIN FT WHITE	PAINT PVT MK LIN 4 LIN FT YELLOW	PAINT PVT MK LIN 6 LIN FT WHITE	RAISED REFLECTIVE PAVEMENT MARKERS EACH 1-WAY CRYSTAL*	RAISED REFLECTIVE PAVEMENT MARKERS EACH 2-WAY AMBER**	TEMP PAINT PVT MK LIN 4 LIN FT WHITE	TEMP PAINT PVT MK LIN 4 LIN FT YELLOW	TEMP PAINT PVT MK LIN 6 LIN FT WHITE
251+60.75 TO 436+20	18459.25	36919	36919	9230	924	462	36919	36919	9230
436+20 TO 484+50	4830		9660	2415	240	120		9660	2415
TOTAL		83498		11645	1746		83498		11645

* 1-WAY CRYSTAL : USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN ON STD. 2397-1

** 2-WAY AMBER : SPACED AT 40' CENTERS AS SHOWN ON STD. 2397-1

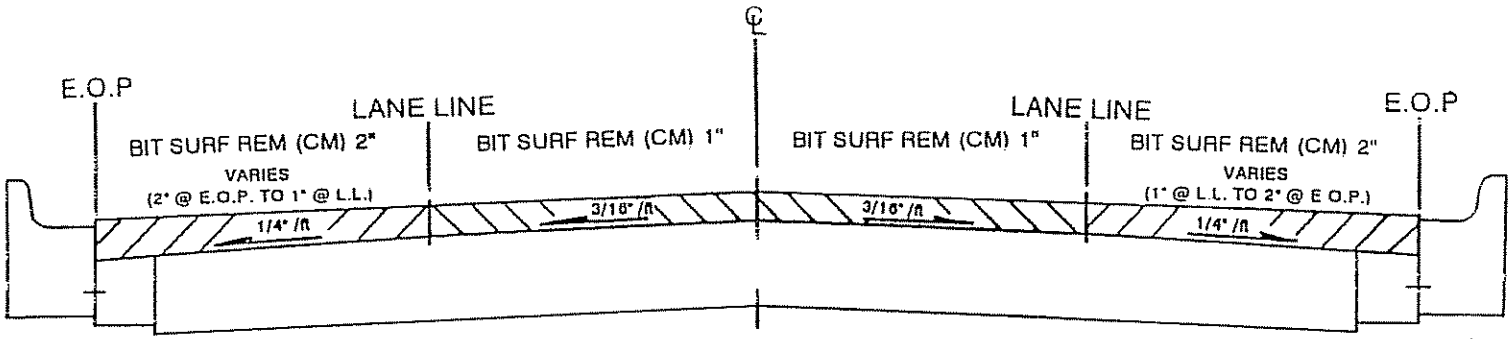
RAISED JOINT REMOVAL

STA	LT (EACH)	RT (EACH)	STA	LT (EACH)	RT (EACH)
275 + 20	1	1	396 + 10	1	1
289 + 90	1	1	398 + 40	1	
321 + 25	1	1	400 + 00	1	1
322 + 60	1	1	404 + 70	1	1
353 + 22		1	406 + 25	1	1
365 + 10	1		409 + 55	1	1
379 + 25	1	1	411 + 45	1	
381 + 90	1	1	426 + 00	1	1
382 + 65	1	1	430 + 30	1	1
386 + 80	1	1			
391 + 60	1	1	TOTALS	20	18
392 + 05	1	1			

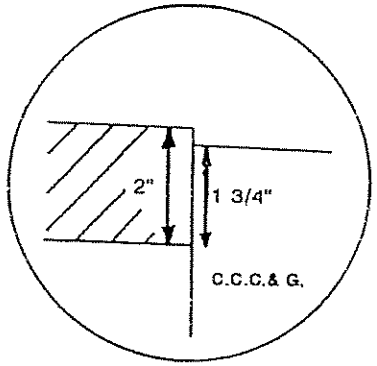
THERMOPLASTIC

STATION	DESCRIPTION	LETTERS & SYMBOLS SQ FT	LIN 24" LIN FT	LIN 12" LIN FT	LIN 6" LIN FT
399+70 RT	STOP LINE		23		
399+95 RT	"X" (54.0 sq ft each)	108			
	"R" (3.6 sq ft each)	14.4			
400+20 RT	STOP LINE		23		
406+45 RT	STOP LINE		23		
407+14 LT	STOP LINE		23		
413+39 LT	STOP LINE		23		
413+64 LT	"X" (54.0 sq ft each)	108			
	"R" (3.6 sq ft each)	14.4			
413+69 LT	STOP LINE		23		
471+98 RT	STOP LINE		22		
472+05	CROSSWALK			81	88
472+97	CROSSWALK			81	88
473+01 LT	STOP LINE		22		
TOTAL		244.8	182	162	176

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
SBI 49 (IL 50)	(140,141) RS-1	KANKAKEE	21	12
F.H.W.A. REG. 4		ILLINOIS	PROJECT	



DETAIL
BITUMINOUS SURFACE REMOVAL (CM)
1" & 2"

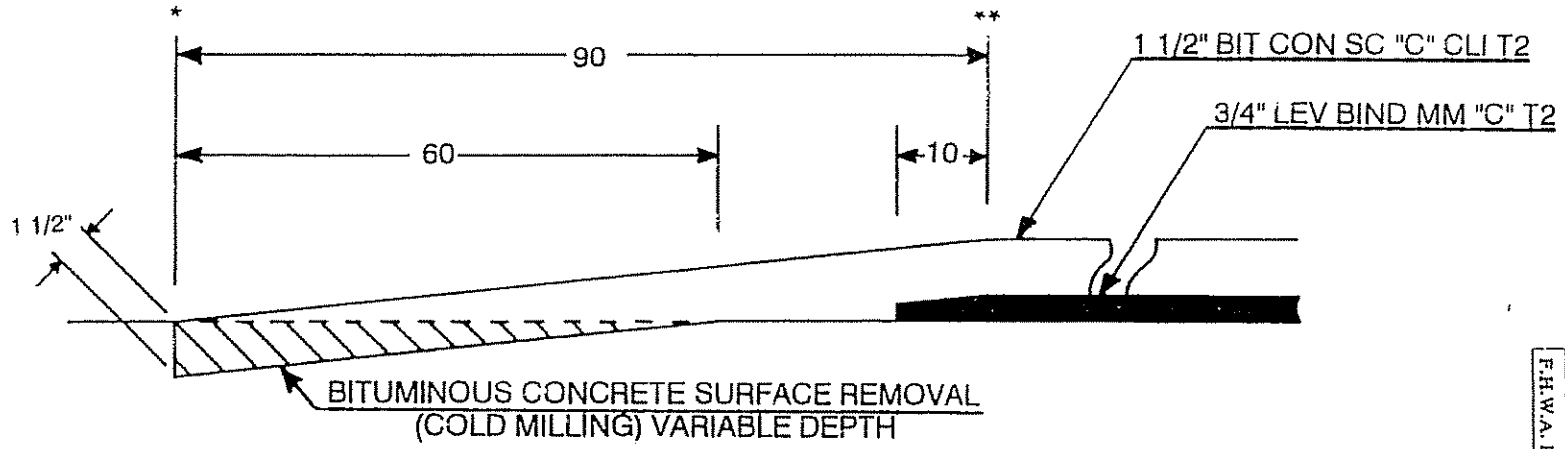


DETAIL AT E.O.P.

BITUMINOUS SURFACE REMOVAL

STATION	DESCRIPTION	LENGTH	BITUMINOUS SURFACE REMOVAL (CM) 1"		BITUMINOUS SURFACE REMOVAL (CM) 2"		BITUMINOUS SURFACE REMOVAL (CM) VARIABLE DEPTH	
		FT	WIDTH (FT)	SQ YD	WIDTH (FT)	SQ YD	WIDTH (FT)	SQ YD
251+60.75 TO 252+20.75	BEGINNING TAPER	60					46	307
252+20.75 TO 405+63.50	EDGES	15342.75					2 @ 6' ea	20457
406+63.50 TO 406+70.50	R.R. TAPER	107					46	547
406+89.50 TO 407+85.50	R.R. TAPER	96					46	491
407+85.50 TO 432+98.35	EDGES	2512.85					2 @ 6' ea.	3350
432+98.35 TO 433+58.35	BRIDGE TAPER	60					46	307
434+41.65 TO 435+07		65.35	2 @ 11' ea.	160	2 @ 18.5' ea.	269		
435+07 TO 436+01		94	2 @ 11' ea.	230	2 @ 18.5' to 11' ea	308		
436+01 TO 474+72	MANTENO	3871	2 @ 11' ea.	9462	2 @ 11' ea.	9462		
474+72 TO 476+22		150	2 @ 11' to 11.5' ea	375	2 @ 11' to 11.5' ea	375		
476+22 TO 484+50		828	2 @ 11.5' ea.	2116	2 @ 11.5' ea.	2116		
TOTAL				12343		12530		25459

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
SBI 49 (IL 50)	(140,141) RS-1	KANKAKEE	21	13
F.H.W.A. REG. 4		ILLINOIS	PROJECT	



BEGINNING TAPER
* 251+60.75 (END EXIST. CCC&G)
** 252+50.75

BRIDGE TAPER
* 433+58.35 (BK ABUT)
** 432+68.35

END TAPER
* 484+50
** 483+50

TAPERS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
SBI 49 (IL 50)	(140,141) RS-1	KANKAKEE	21	14
F.H.W.A. REG.4		ILLINOIS	PROJECT	