

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

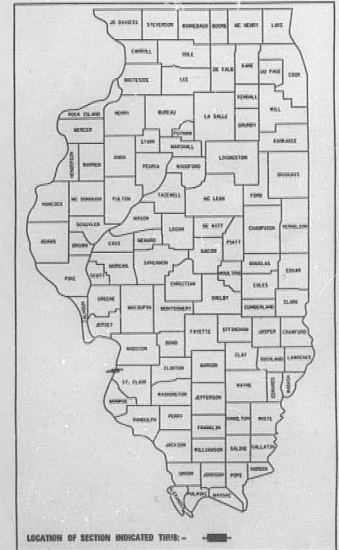
PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FAI ROUTE 70  
SECTION (82-3HVB-1, 2, 3)D,RS  
ST CLAIR COUNTY  
C-98-109-96

DAY	MONTH	COUNTY	TRIAL	SHEET
20	8	ST CLAIR	11	1

FED. ROAD CONST. NO. 8 | ILLINOIS | FED. AID PROJECT  
\* (87-3070-1, 2, 3) D.83

D-98-094-96



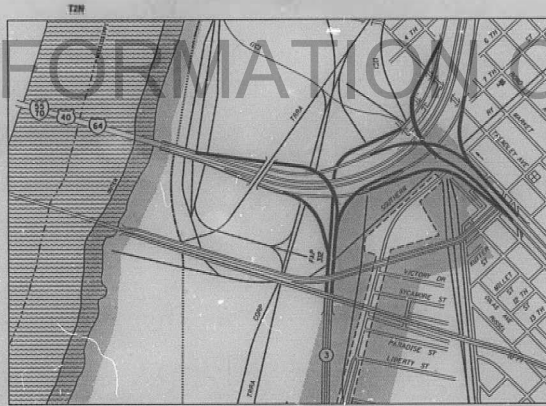
INDEX OF SHEETS

1. TITLE SHEET
2. SUMMARY OF QUANTITIES
- 3.-4. SCHEDULE OF QUANTITIES
5. TYPICAL SECTIONS
- 6.-11. PLAN VIEW

STANDARDS

- 2298-12
- 2397-2
- 2316-16
- 2396-1

MICROFILMED \_\_\_\_\_  
REEL NUMBER \_\_\_\_\_  
AWARDED \_\_\_\_\_  
RESIDENT ENGINEER \_\_\_\_\_  
AS BUILT CHANGES WERE MADE  
ON THE FOLLOWING SHEETS \_\_\_\_\_



PROJECT LOCATION



FOR INFORMATION ONLY

PROJECT ENGINEER: WILLIAM ULIVI (618) 346-3180  
SQUAD LEADER: STEVE JINES (618) 346-3194

JULIE  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-852-0123

CONTRACT NO. 76003

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 6/27 19 96  
Paul W. DISTRICT ENGINEER

PASSED August 2 19 96  
James Hanks ENGINEER OF DESIGN AND ENVIRONMENT

APPROVED August 2 19 96  
James A. Hill DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FAI ROUTE 70

SECTION (82-3HVB-1, 2, 3)D,RS

ST CLAIR COUNTY

C-98-109-96

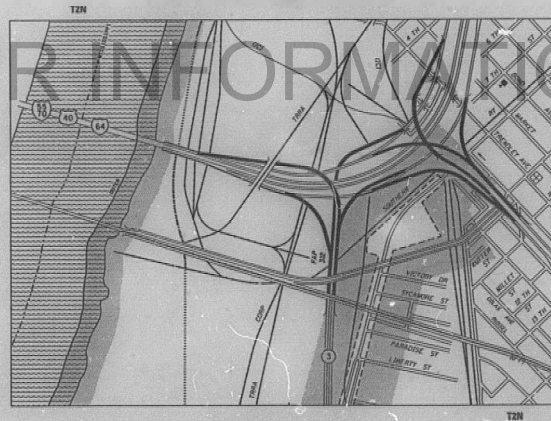
INDEX OF SHEETS

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- 6.-11. PLAN VIEW

STANDARDS

2298-12  
2347-2  
2316-16  
2396-1

MICROFILMED \_\_\_\_\_  
REEL NUMBER \_\_\_\_\_  
AWARDED \_\_\_\_\_  
RESIDENT ENGINEER \_\_\_\_\_  
AS BUILT CHANGES WERE MADE  
ON THE FOLLOWING SHEETS \_\_\_\_\_



PROJECT LOCATION

FAI ROUTE	SECTION	COUNTY	TOTAL SHEET NO.
70	"	ST CLAIR	11
FED. ROAD DIST. NO. 10 BILLBOARDS		FED. AID PROJECT	
* (82-3HVB-1, 2, 3) D,RS			

D-88-884-88



LOCATION OF SECTION INDICATED THIS: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 6/27 TO 96  
W. J. J. J.  
DATE WHEN ENCLOSED

PASSED August 2 TO 96  
James Hand  
ENGINEER OF DESIGN AND ENVIRONMENT

APPROVED August 7 TO 96  
W. J. J. J.  
DIRECTOR, DIVISION OF HIGHWAYS

ILLI  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-382-0123

CONTRACT NO. 76003

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

TAMERAN

SQUAD LEADER: STEVE JONES (618) 345-3194

## SUMMARY OF QUANTITIES

PLAN NO.	SECTION	SHEET	DATE	REV.
10	*	ST. CLAIR	11	1
BY:		IN CH.		
EXISTING CONDITIONS				

\* (B2-31WB-1, 2, 3) D.R.S.

SUMMARY OF QUANTITIES		CONSTRUCTION TYPE CODE		
CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	SFTY-2A
M002005	BRIDGE CURB OR HURDLE REPAIR	METER	1680	1680
MT502005	PAINT PAVEMENT MARKING - LINE 100MM	METER	8834	8834
MX030069	SILICONE JOINT SEALER	METER	60.2	60.2
M0032101	SHEET WATERPROOFING MEMBRANE SYSTEM	SQ M	6917.8	6917.8
MX032077	POLYMER CONCRETE	CU M	0.9	0.9
M4060200	BITUMINOUS MATERIALS (PRIME COAT)	M TON	8.6	8.6
M4060610	LEVELING BINDER (HAND METHOD), TYPE 1	M TON	53.5	53.5
M4060820	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS 1, TYPE 1	M TON	2746	2746
M4400000	BITUMINOUS SURFACE REMOVAL	SQ M	6917.8	6917.8
M4402130	BITUMINOUS CONCRETE SURFACE REMOVAL	SQ M	24393.8	24393.8
M5810100	WATERPROOF MEMBRANE REPAIR	SQ M	100	100
M9032100	TEMPORARY PAVEMENT MARKING - LINE 100MM	METER	8834	8834
M9033000	SHORT-TERM PAVEMENT MARKING	METER	156	156
TX000620	CHANGEABLE MESSAGE SIGN	CAL NO	8	8
T5040100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	144	144
T5070100	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	83	83
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL NO	4	4
90101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUW	1	1
90104205	TRAFFIC CONTROL AND PROTECTION, STANDARD 2316, LOCATION 1	EACH	1	1
90104210	TRAFFIC CONTROL AND PROTECTION, STANDARD 2316, LOCATION 2	EACH	1	1
90104215	TRAFFIC CONTROL AND PROTECTION, STANDARD 2316, LOCATION 3	EACH	1	1
90104220	TRAFFIC CONTROL AND PROTECTION, STANDARD 2316, LOCATION 4	EACH	1	1

NOTE: Due to the poor condition of the existing curbs, the requirement for shot blasting the vertical faces of the curbs may be waived by the Engineer. If waived, the Contractor will only be required to broom clean the face.

FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

F.I.L. ROUTE 20  
SECTION (B2-31WB-1, 2, 3) D.R.S.  
ST. CLAIR COUNTY

△ \* SPECIALTY ITEM

△ \* SEE DRAWING FOR ALL OTHER NOTES

C

B

A

0

A

B

C

D

TAMERAN

02-3HW-1. 2. 3) D.R.S

TYPICAL SECTION "A"

ROADWAY/RAMP	STR. NUMBER	PIER/ABUT.	STATION TO STATION	BIT. CONC SURF. REM. SQ. METER	BIT. MATLS. PRIME CT. METRIC TON	BIT. CONC. SURF. CSE.. MIX D. CL. I. TY I METRIC TON
RAMP W/ RAMP F	082-0143, 0204	M-1 TO F-1	1+110.18 TO 1+107.08	4488.45	1.23	175.28
RAMP F/ RAMP D	082-0205, 0143	E-9 TO D-11	0+665.14 TO 1+028.57	3136.10	1.24	236.61
RAMP D	082-0201	D-2 TO D-10	0+228.85 TO 0+178.87	3583.89	0.55	116.38
RAMP P	082-0207	P-12 TO P-1	1+657.17 TO 2+004.06	2225.83	0.79	188.76
RAMP B	082-0144	D-35 TO D-46	2+498.08 TO 2+513.11	1571.57	0.35	152.07
RAMP A	082-0141	A-23 TO A-42	2+223.40 TO 1+780.88	3056.49	1.26	301.94
RAMP Y	082-0145	A-35 TO T-6	0+190.18 TO 0+162.85	1154.59	0.40	96.86
RAMP S	082-0147, 0144	S-1 TO S-39	0+125.84 TO 0+770.15	4801.29	1.54	348.48
RAMP W	082-0206	D-17 TO D-4	0+726.06 TO 0+651.31	860.15	0.22	64.18
TOTALS				23426.22	8.19	1961.25

TYPICAL SECTION "B"

ROADWAY/RAMP	STR. NUMBER	PIER/ABUT.	STATION TO STATION	BIT. SURF. REM. (COLD MILL) (CHECK SHEET #12) SQ. METER	SHEET WATERPROOF MEM. SYSTEM SQ. METER	BIT. CONC. SURF. CSE.. MIX D. CL. I. TY I METRIC TON
RAMP E	082-0205	E-2 TO E-9	0+931.91 TO 1+109.37	1178.60	1178.60	126.87
RAMP H	082-0102	D-11 TO H-4	0+408.89 TO 0+729.08	548.05	548.05	59.10
RAMP W	082-0145, 0141	S-1 TO W-2	1+510.45 TO 1+487.05	252.73	252.76	27.98
RAMP P	082-0207	P-12 TO P-13	2+004.06 TO 2+095.88	616.45	616.45	66.35
RAMP S	082-0147	G-12 TO S-1	0+093.91 TO 0+122.88	149.10	149.10	16.77
RAMP A	082-0147	A-40 TO A-46	2+703.28 TO 2+859.73	1239.16	1239.16	133.10
RAMP D	082-0144	D-40 TO D-46	2+626.23 TO 2+653.73	657.80	657.80	70.86
TOTALS				6917.02	6917.02	744.62

The following quantities are not included on the schedules but are used for the removal and replacement of the 15.24 m bituminous layers at abutments O-11, O-10, A-46, and D-46.

Bituminous Concrete Surface Course, Mix D, Class I, Type 1 - 40.08 Metric Tons  
 Bituminous Materials Prime Coat - 0.18 Metric Tons  
 Bituminous Concrete Surface Removal - 515.50 Sq. Meters

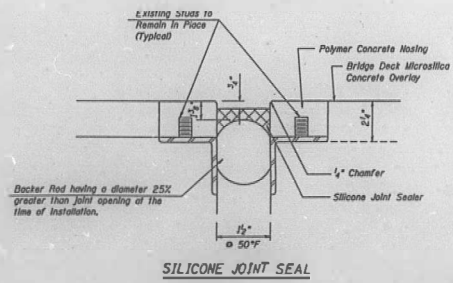
JOINT REPAIR SCHEDULE

JOINT	POLYMER CONCRETE CU. METER	SILICONE JOINT SEALER (10MM) METER
M-1	0.102	6.71
O-17	0.102	6.71
E-2	0.056	3.66
E-3	0.056	3.66
E-6	0.051	3.36
E-9	0.141	9.24
P-4	0.102	6.71
P-14	0.102	6.71
S-21	0.102	6.71
T-6	0.102	6.71
TOTAL	0.92	60.18

PARTIAL DEPTH REPAIR SCHEDULE

SPAN	SIZE (LN METERS)	BITUMINOUS CONCRETE SURFACE REMOVAL (50MM)	BITUMINOUS MATERIALS PRIME COAT	LEVELING BINDER HAND METHOD TYPE I (50 MM)
		SQ. METER	METRIC TON	METRIC TON
D-11 TO H-1	12X6	72	0.03	6.50
H-1 TO H-2	6X3	18	0.01	2.00
	2X2	4	0.01	0.50
	2X6	12	0.01	1.50
H-2 TO H-3	2X2	4	0.01	0.50
	2X2	4	0.01	0.50
	2X2	4	0.01	0.50
H-3 TO H-4	2X23	46	0.02	5.50
	2X23	46	0.02	5.50
H-4 TO H-5	2X28	56	0.02	6.50
	2X28	56	0.02	6.50
P-14 TO P-15	5X26	130	0.05	15.50
TOTAL		452	0.22	53.50

FOR INFORMATION ONLY



ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTION, JOINT REPAIR,  
 AND PARTIAL DEPTH REPAIR  
 SCHEDULES  
 F.A.I., ROUTE 70  
 SECTION (02-3HW-1. 2. 3) D.R.S  
 ST. CLAIR COUNTY



ALL	SECTION	EMPTY	NO.	NO.
70	*	ST. CLAIR	#	#
STA.	TO STA.			
EXISTING CONDITIONS				

\* 02-340-B-1, 2, 3, J, D.R.S

PAVEMENT MARKING SCHEDULE									
STR. NUMBER	PIER/ABUT	STATION TO STATION	TEMPORARY PAVEMENT MARKING			PAINT PAVEMENT MARKING			TOTAL
			IN. - EDGE LINE YELLOW (100MM) METER	CENTERLINE WHITE (100MM) METER	OUT. - EDGE LINE WHITE (100MM) METER	IN. - EDGE LINE YELLOW (100MM) METER	CENTERLINE WHITE (100MM) METER	OUT. - EDGE LINE WHITE (100MM) METER	
082-0141	A-1 TO A-45	2+101.13 TO 2+888.23	754.00	189.18	754.00	754.00	189.18	754.00	
082-0142	C-12 TO D-36	0+930.31 TO 0+905.25	708.84		708.84	708.84		708.84	
082-0143	B-17 TO D-11	0+486.84 TO 0+851.31	188.47		188.47	188.47		188.47	
082-0144	D-33 TO D-48	2+488.04 TO 2+833.13	365.09	98.87	365.09	365.09	98.87	365.09	
082-0145	A-5 TO A-1	1+887.81 TO 2+145.02	475.15		475.15	475.15		475.15	
082-0146	A-15 TO J-4	0+190.13 TO 0+362.25	172.07		172.07	172.07		172.07	
082-0151	D-2 TO D-10	0+282.85 TO 0+518.87	236.02		236.02	236.02		236.02	
082-0152	D-7 TO D-11	0+809.38 TO 0+851.31	242.32		242.32	242.32		242.32	
082-0203	A-1 TO A-13	1+667.87 TO 2+095.26	427.39		427.39	427.39		427.39	
082-0204	F-1 TO F-3	1+300.28 TO 1+667.87	347.59	86.30	347.59	347.59	86.30	347.59	
082-0205	F-3 TO G-17	0+881.31 TO 1+104.57	252.26	64.57	252.26	252.26	64.57	252.26	
TOTAL:			4198.49	436.88	4198.49	4198.49	436.88	4198.49	

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE			
LOCATION	COLOR	SPACING	QUANTITY
		METER	EACH
ROADWAY E1 (CENTERLINE E-9 TO D-17)	WHITE/OPAQUE	24	8
ROADWAY F1 (CENTERLINE F-1 TO F-12)	WHITE/OPAQUE	24	10
ROADWAY M/ RAMP P1 (CORE)	WHITE/ OPAQUE	6	30
RAMP O/ RAMP R1 (CORE)	YELLOW/OPAQUE WHITE/ OPAQUE	6	6 20
RAMP S/ RAMP G1 (CORE)	YELLOW/OPAQUE WHITE/ OPAQUE	6	6 9
RAMP A/ RAMP T1 (CORE)	WHITE/OPAQUE	6	32
ROADWAY A1 (CENTERLINE A-36 TO A-45)	WHITE/ OPAQUE	24	12
ROADWAY D1 (CENTERLINE D-36 TO D-45)	WHITE/ OPAQUE	24	11
TOTAL:			144

FOR INFORMATION ONLY

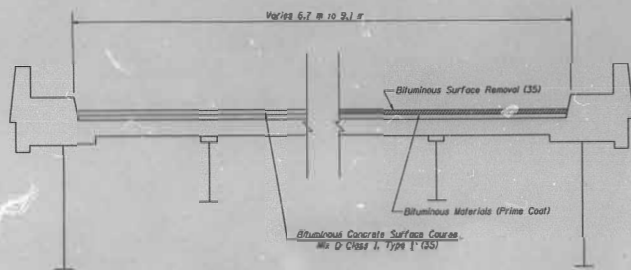
ILLINOIS DEPARTMENT OF TRANSPORTATION  
PAVEMENT MARKING AND  
RAISED REFLECTIVE PAVEMENT MARKER  
SCHEDULES  
F.A.I. ROUTE 70  
SECTION 02-340-B-1, 2, 3, J, D.R.S  
ST. CLAIR COUNTY



DATE	SECTION	CHGTY	REV.	BY
11/11	ST. CLAIR	11	5	
1984				

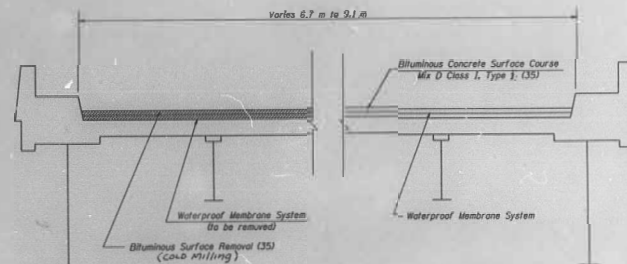
EXISTING CONDITIONS:

\* 102-3HWB-1, E. 33 D.R.S



TYPICAL SECTION A

Area Shown on Plan View



TYPICAL SECTION B

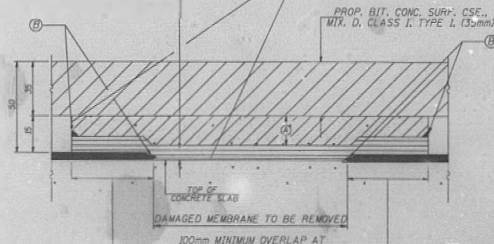
Area Shown on Plan View

# FOR INFORMATION ONLY

PROPOSED  
70 MIL WATERPROOFING MEMBRANE  
(SEE SPECIAL PROVISIONS)

ALL CLEANED AREAS SHALL BE  
PRIMER COATED AT A RATE OF  
250 (±25) SQ. FT. PER GALLON

PROP. BIT. CONC. SURF. CSE.  
MIX. D, CLASS I, TYPE I (35mm)



SECTION  
WATERPROOFING MEMBRANE REPAIR

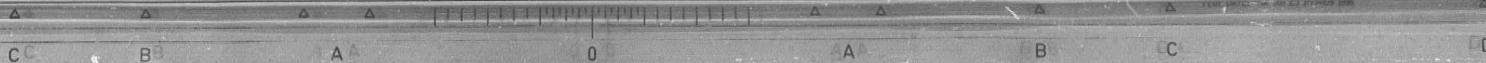
- (A) AFTER COLD MILLING, EXISTING BITUMINOUS MATERIAL TO BE REMOVED TO PERMIT REPAIR OF MEMBRANE. BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I SHALL BE PLACED PRIOR TO PLACEMENT OF NEW BITUMINOUS CONCRETE WEARING SURFACE. COSTS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR WATERPROOFING MEMBRANE REPAIR. SEE SPECIAL PROVISIONS FOR TEMPERATURE AND DENSITY REQUIREMENTS FOR INITIAL LIFT OF BITUMINOUS SURFACE COURSE OVER REPAIR AREAS.
- (B) ALL PERIMETER EDGES SHALL RECEIVE A MINIMUM 5mm BEAD OF 160 H MASTIC.

EXISTING WEARING SURFACE CONSISTS OF A 13mm ASPHALT SAND SEAL LAYER AND A 38mm BITUMINOUS SURFACE COURSE. PROPOSED COLD MILLING WILL REMOVE 35mm UNIFORMLY ON THE ENTIRE BRIDGE DECK.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

E.A.I., ROUTE 70  
SECTION (02-3HWB-1, E. 33) D.R.S  
ST. CLAIR COUNTY



TAMERAN

7.01	7.02	7.03	7.04	7.05	7.06
70	ST Clair	77	76		

# (B2-3HVB-1,2,3) DRS



Per A-1  
Sta 11510.45

Match Sheet  
No 7

RAMP M

E.W.B. 1-55/70/64

W.B. C-D

E.B. 1-55/70/64

W.B. 1-55/70/64

E.B. 1-55/70/64

E. ROADWAY D

E.B. C-D

FOR INFORMATION ONLY

PLAN VIEW

CC

BB

A

TAMERAN

A

B

C

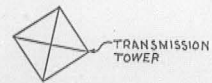
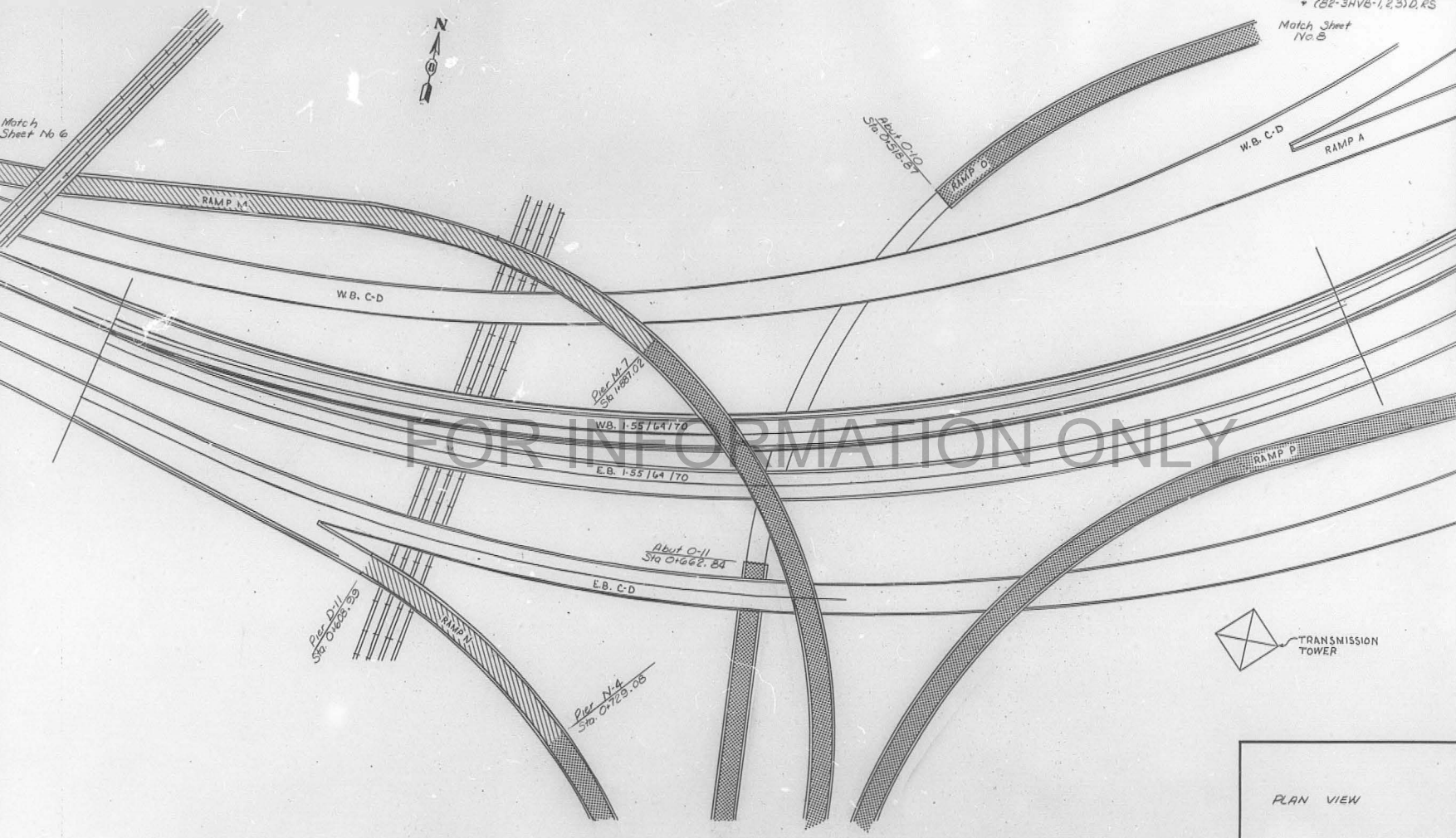
D

FAT NO.	REVISION	DATE	BY	CHKD.	HEET NO.
70			St Clair	11	7
▼ (82-3HV8-1, 2, 3) D, RS					

Match Sheet No 8



Match Sheet No 6



PLAN VIEW

Match Sheet No 9





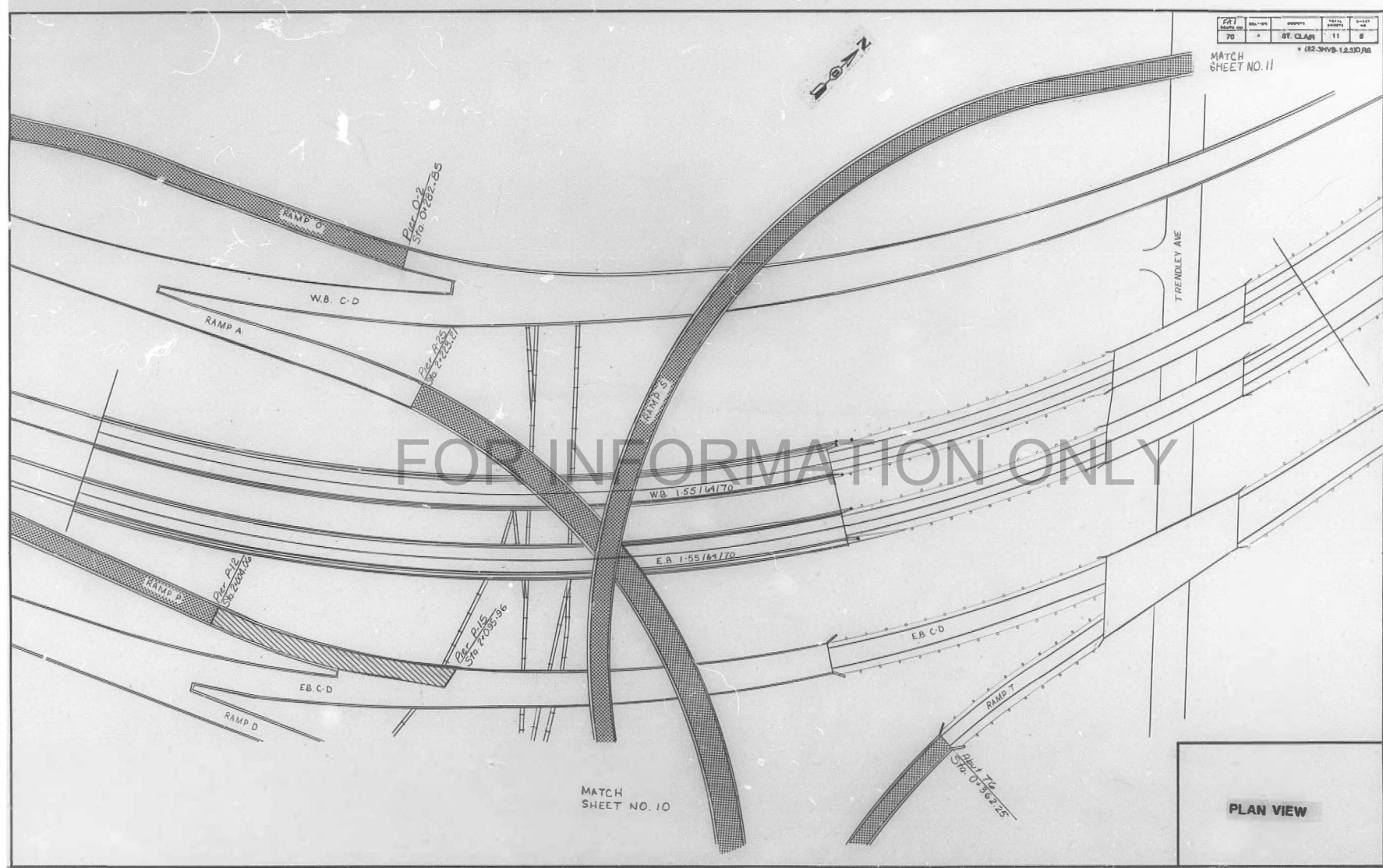
DATE	REV.	BY	CHKD.	APP'D.
70				

ST. CLAS: 11 9  
 (82-3448-1.2.3D)A8

MATCH SHEET NO. 11



FOR INFORMATION ONLY



MATCH SHEET NO. 10

PLAN VIEW

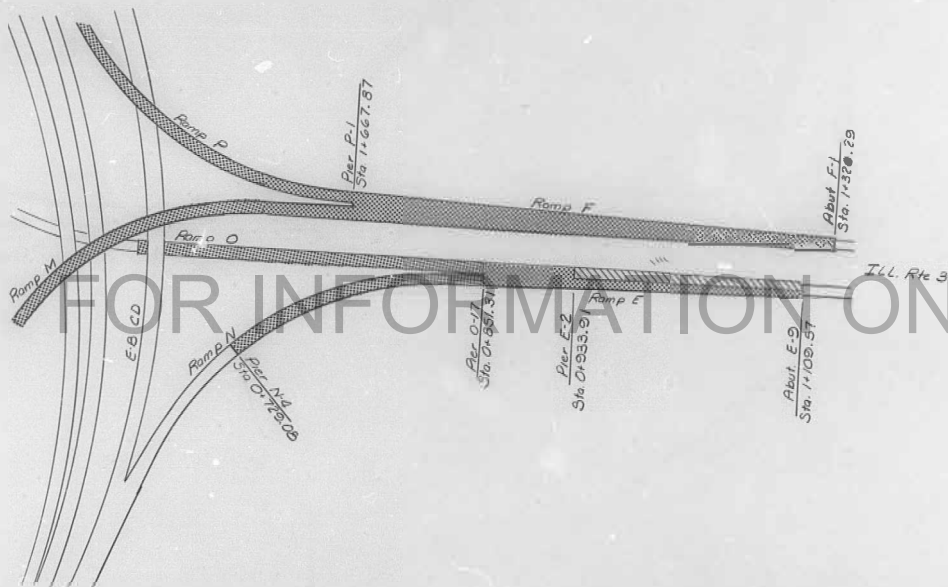


FAI	NO. 70	ST. CLAR	17	9
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\* (82-347B-1,2,3)0/18



MATCH SHEET NO. 7



PLAN VIEW



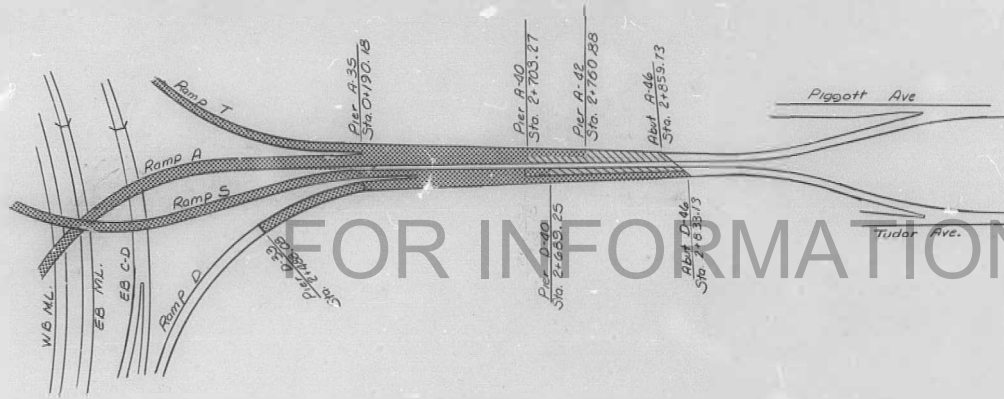
TAMERAN

CD / SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	ST. CLAIR	11	10

\* (82-SHVB-12,3)ORS

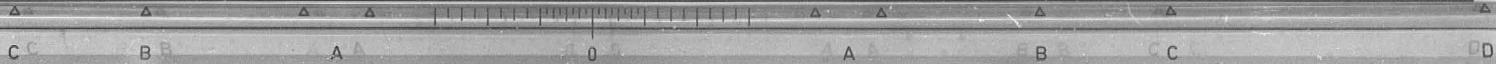


MATCH SHEET NO. 6



FOR INFORMATION ONLY

PLAN VIEW



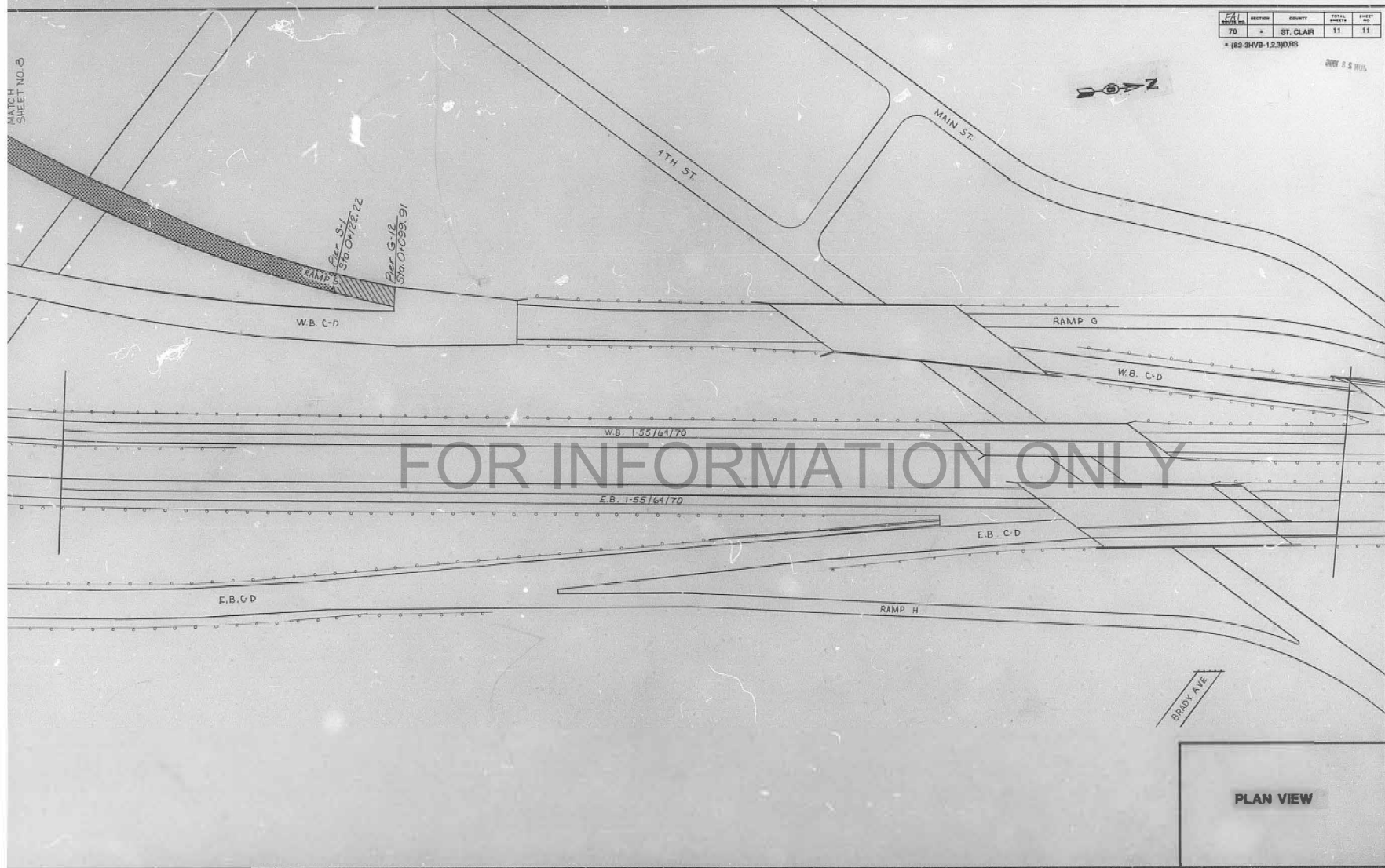
TAMERAN

MATCH SHEET NO. 5

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	ST. CLAR	11	11

\* (82-3HVB-1.2.3)0/RS

1" = 50'



BRADY AVE

PLAN VIEW

