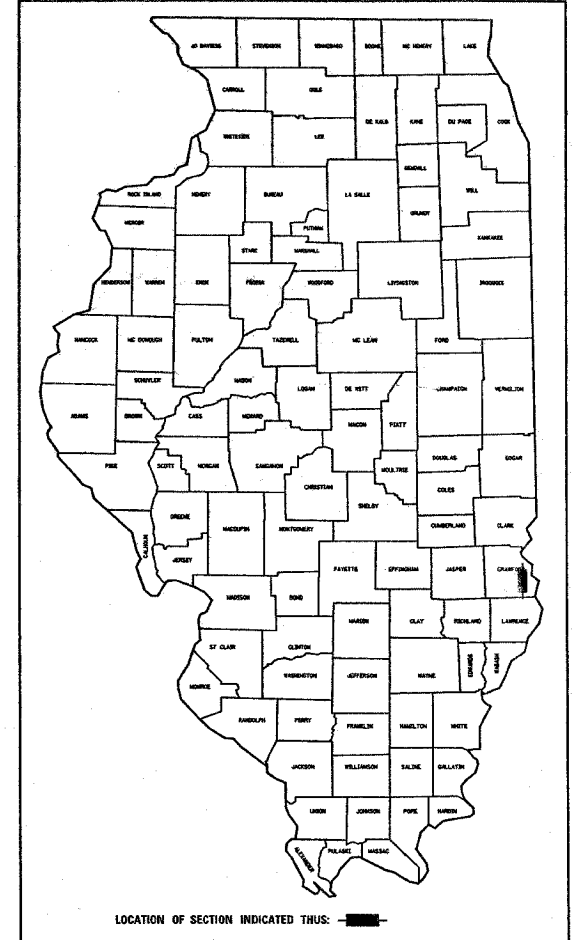


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PROJECT ENGINEER : MARK DAUGHERTY
 SQUAD LEADER : KRISTI SANDSCHAFER
 DESIGNER : JOSH PORTER
 TELEPHONE : 217/342-3951 EX

332	(18,19,20) RS-2	CRAWFORD	21	1
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO.	

D-97-013-02



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL HIGHWAY PROJECT

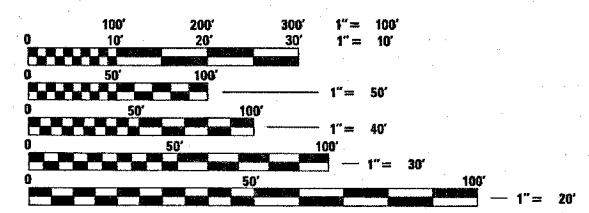
FAP ROUTE 332 (IL 1)
 PROJECT NO: *NHF-0332(078)*
 SECTION (18,19,20)RS-2
 CRAWFORD COUNTY
 BITUMINOUS RESURFACING

C-97-038-02

RR OMISSION
 STA 1008+93.79 TO STA 1009+00

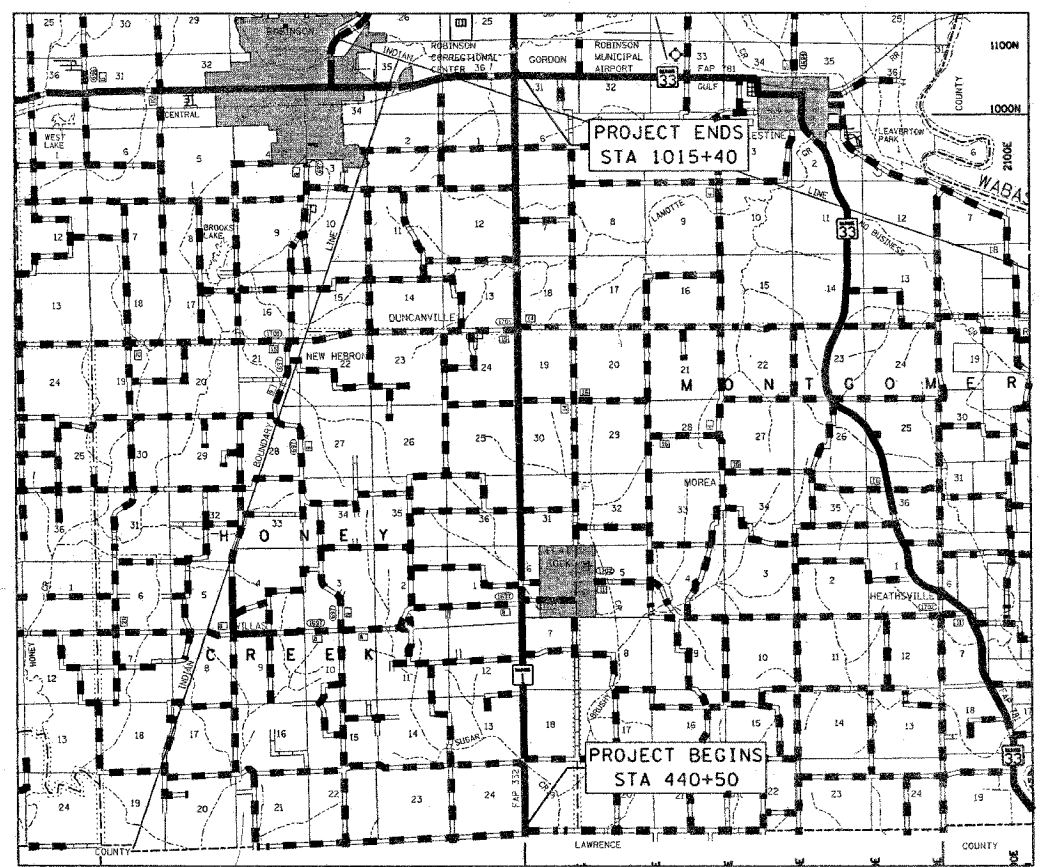
BRIDGE OMISSION
 STA 490+77 TO STA 491+99

STATION EQUATION
 IL 33
 STA 1021+23 BK = STA 0+00 AH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED APRIL 2 2005
Christine M. Deady
 DISTRICT ENGINEER

 20

ENGINEER OF PROJECT DEVELOPMENT AND IMPLEMENTATION
May 13 2005
Mike New
 ENGINEER OF DESIGN AND ENVIRONMENT

May 13 2005
Victor Moden
 DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY OF
 THE STATE OF ILLINOIS

CONTRACT NO. 94944
 TOWNSHIP : HONEY CREEK, MONTGOMERY

ADT = 4150 (2003)

GROSS LENGTH = 57490 FEET = 10.89 MILES
 NET LENGTH = 57368 FEET = 10.87 MILES

SEAL

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GEN/NDX

SYMBOL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	2

CONTRACT NO. 94944

GENERAL NOTES

THIS PROJECT IS LOCATED ON ILLINOIS ROUTE 1 IN CRAWFORD COUNTY, FROM THE CRAWFORD/LAWRENCE COUNTY LINE TO THE INTERSECTION AT GORDON JUNCTION. THE WORK INCLUDED IN SECTION (18-19-20) RS-2 CONSISTS OF PAVEMENT PATCHING, MILLING, BITUMINOUS RESURFACING, AGGREGATE SHOULDERS, PAVEMENT MARKING, AND OTHER WORK NECESSARY TO COMPLETE THE SECTION.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (PRIME COAT), LEVEL BINDER, AND BITUMINOUS SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 4 INCH CONSISTS OF 33031 FEET OF YELLOW AND 112210 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 6 INCH CONSISTS OF 170 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 24 INCH CONSISTS OF 96 FEET OF WHITE.

THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 728 TWO-WAY AMBER AND 7 ONE-WAY CRYSTAL.

THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE OR RAP.

THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE ONLY AND THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE:	LEVEL BINDER	SURFACE COURSE
PG GRADE:	PG 64-22	PG 64-22
RAP%:	15%	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	IL-9.5	IL-9.5
FRICITION AGGREGATE:	N/A	MIXTURE C

MIXTURE USE:	PAVEMENT PATCHING	INCIDENTAL BITUMINOUS SURFACE
PG GRADE:	PG 64-22	PG 64-22
RAP%:	25%	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70	4.0% @ NDESIGN = 50
MIXTURE COMPOSITION:	IL-19.0	IL-9.5
FRICITION AGGREGATE:	N/A	MIXTURE C

MIXTURE USE:	POLYMER LEVEL BINDER	POLYMER SURFACE COURSE
PG GRADE:	SBS PG 70-22	SBS PG 70-22
RAP%:	0%	0%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 90	4.0% @ NDESIGN = 90
MIXTURE COMPOSITION:	IL-9.5	IL-9.5
FRICITION AGGREGATE:	N/A	MIXTURE D

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE SURFACE COURSE	2.05 TONS/CU YD
AGGREGATE SHOULDERS	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.10 GAL/SQ YD
AGGREGATE (PRIME COAT)	4 LBS/SQ YD
BITUMINOUS CONCRETE	112 LBS/SQ YD/INCH

SHORT TERM PAVEMENT MARKINGS ON MILLED SURFACE SHALL BE PAINT.

THE USE OF VIBRATORY ROLLERS WILL NOT BE ALLOWED IN URBAN AREA (DUE TO VIBRATION PROBLEMS) BUT THE DENSITY REQUIREMENT WILL REMAIN THE SAME.

THE CONTRACTOR WILL PROVIDE INTERNET ACCESSIBILITY TO THE BITUMINOUS PLANT QUALITY CONTROL LAB SO THAT BITUMINOUS PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL BITUMINOUS ITEMS.

FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT), THE CONTRACTOR SHALL USE EITHER RC-70 OR AN EMULSIFIED POLYMER PRIME SS-1HP.

ALL EARTHWORK AND SEEDING SHALL BE INCLUDED IN THE COST OF PIPE CULVERTS, CLASS D TYPE 2 18", (STATION 822+50 RT). THE EARTHWORK SHALL BE SLOPED FROM EXISTING GRADE TO THE NEW END SECTION OF THE PIPE CULVERT EXTENTION.

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF APPLICABLE HIGHWAY STANDARS, GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-6	TYPICAL SECTIONS AND DETAILS
7	PAVING SCHEDULE AND PAVEMENT MARKING SCHEDULE
8	ENTRANCE SCHEDULE AND MAILBOX TURNOUT DETAIL
9-18	PLAN SHEETS
19	PAVEMENT MARKINGS AT RAILROAD HIGHWAY GRADE CROSSING
20-21	TYPICAL APPLICATION OF PAVEMENT MARKINGS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 21:

STD. NO.	DESCRIPTION
00001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-01	CLASS C AND D PATCHES
701006-02	OFF-RD OPERATIONS, 2L, 2W, 15 FT. TO 24 IN. FROM PAVEMENT EDGE
701011-01	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-01	OFF-RD OPERATIONS, MULTILANE LESS THAN 15' AWAY FOR SPEEDS >= 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >=45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-04	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >=45 MPH
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES
&
INDEX OF SHEETS**

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HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

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SUMMARY OF QUANTITIES

SYL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	3

CONTRACT NO. 94944

SUMMARY OF QUANTITIES			80% FED. 20% STATE 1000 TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	158	158	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	38640	38640	
40600300	AGGREGATE (PRIME COAT)	TON	387	387	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	300	300	
40600990	TEMPORARY RAMP	SQ YD	156	156	
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	183845	183845	
44200180	PAVEMENT PATCHING, TYPE II, 15 INCH	SQ YD	1366	1366	
44200184	PAVEMENT PATCHING, TYPE III, 15 INCH	SQ YD	134	134	
44200186	PAVEMENT PATCHING, TYPE IV, 15 INCH	SQ YD	259	259	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	6067	6067	
54215553	METAL END SECTIONS 18"	EACH	1	1	
542D1063	PIPE CULVERTS, CLASS D, TYPE 2 18"	FOOT	10	10	
63200310	GUARDRAIL REMOVAL	FOOT	30	30	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	4	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	24396	24396	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	108	108	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	145241	145241	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	170	170	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	96	96	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2033	2033	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	108	108	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	170	170	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	96	96	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	145241	145241	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	735	735	
X4066416	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70	TON	15672	15672	
X4066528	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90	TON	558	558	

SUMMARY OF QUANTITIES			80% FED. 20% STATE 1000 TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT			
X4066770	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	TON	7836	7836	
X4066915	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE N90	TON	279	279	
X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	108	108	
X4409410	BITUMINOUS SURFACE REMOVAL 2 1/4"	SQ YD	9055	9055	
Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	1	1	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

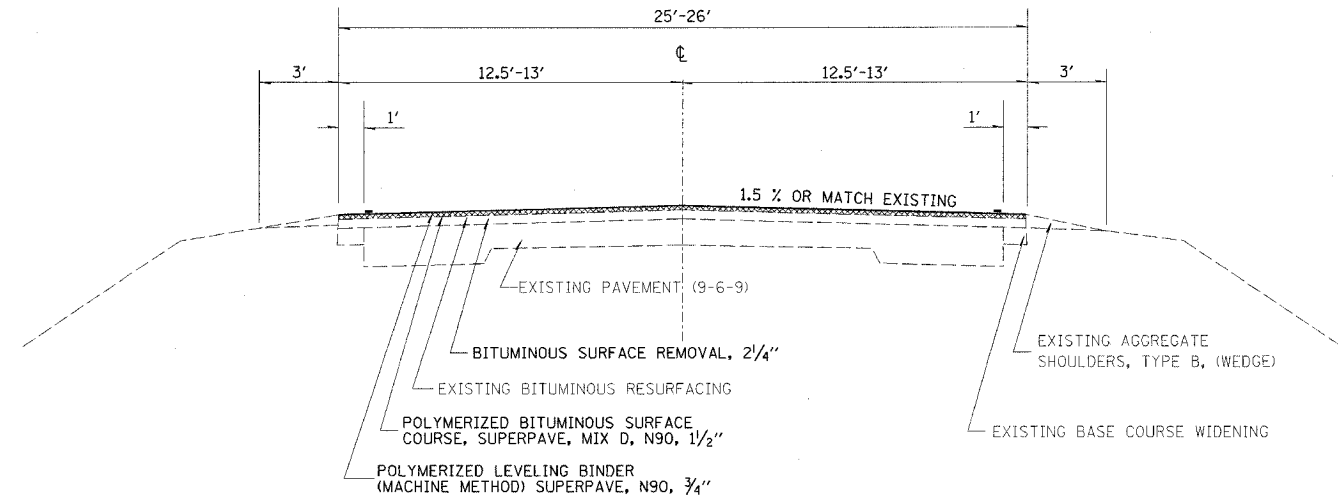
ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

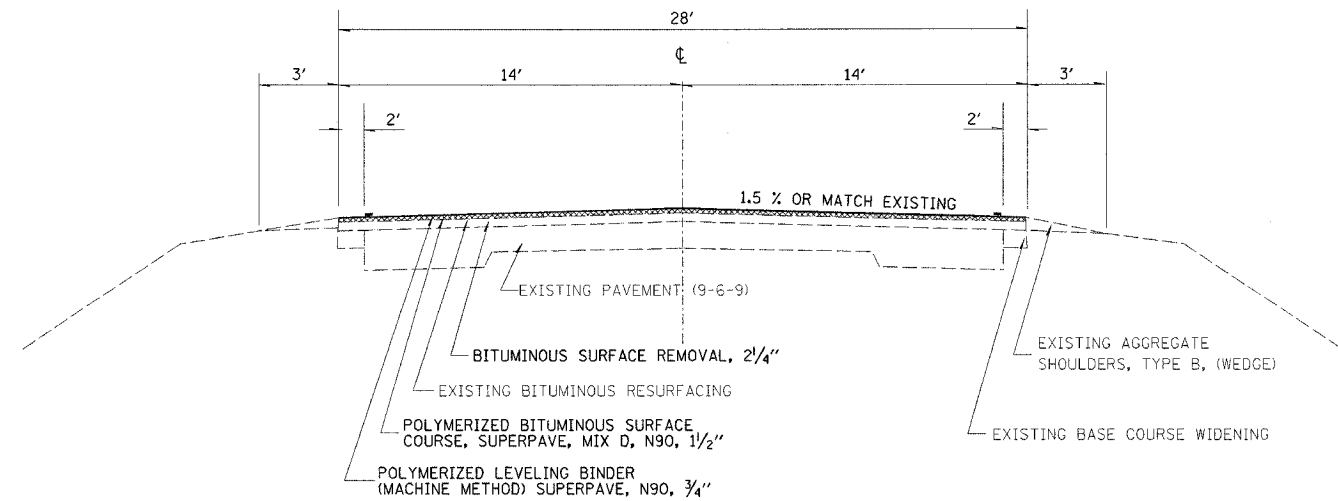
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TYP 2

332	(18,19,20) RS-2	CRAWFORD	21	4
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94944				



IL 33

STA 1+00 TO STA 0+00
 STA EQN 1021+23BK = STA 0+00AH
 STA 1021+23 TO STA 1027+00



IL 1

STA 1009+00 TO STA 1015+40

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

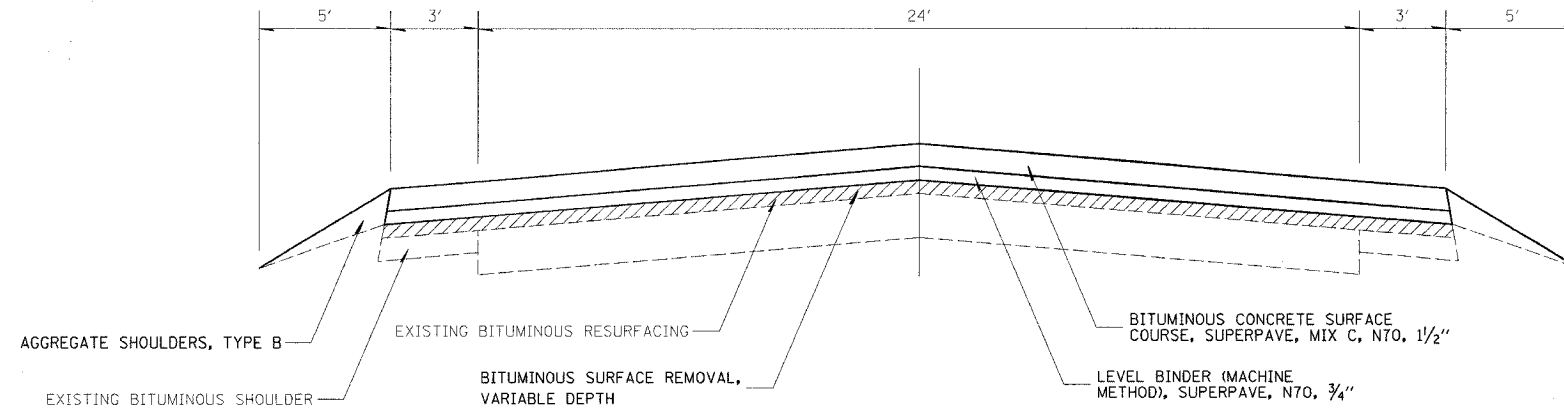
TYPICAL SECTIONS

SCALE: VERT.
 HORIZ.
 DATE

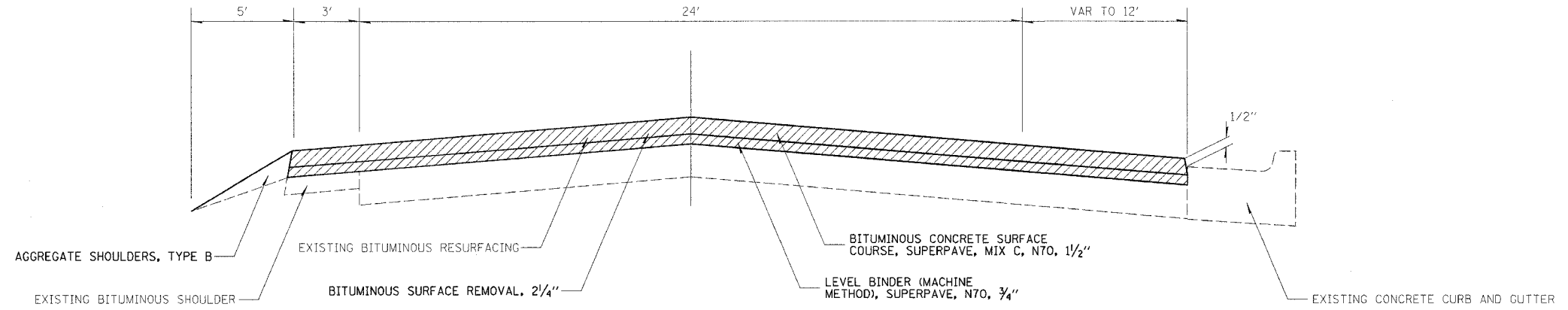
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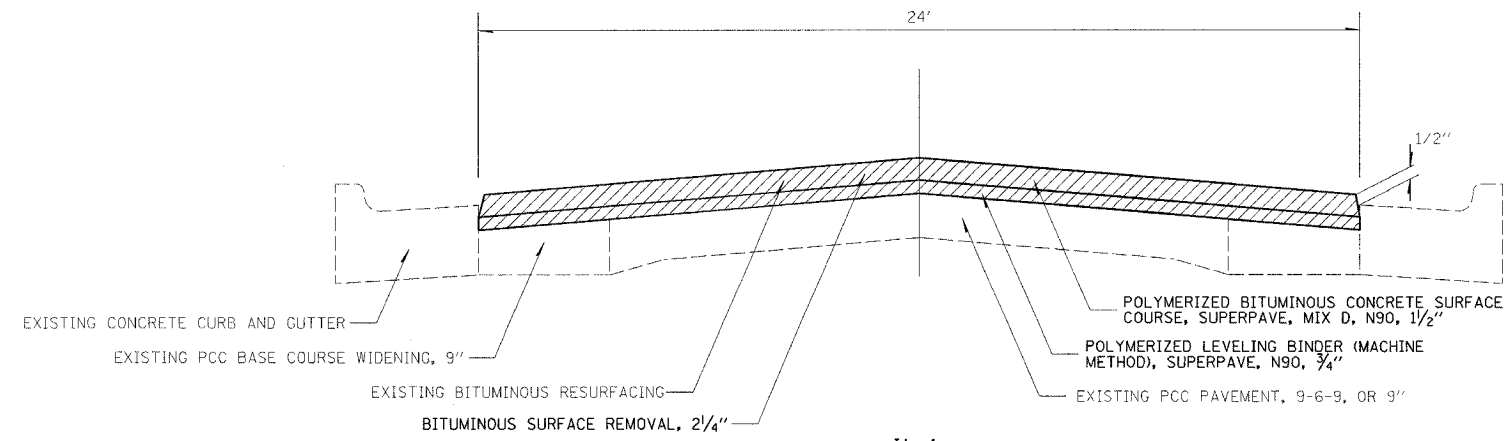
RTL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	5
FED. ROAD DIST. NO. 7	ALIGNMENT	FED. AID PROJECT NO.	CONTRACT NO. 94944	



IL 1
STA 440+50 TO STA 490+77
STA 491+99 TO STA 612+59
STA 617+09 TO STA 1000+46



IL 1
STA 612+59 TO STA 617+09



IL 1
STA 1000+46 TO STA 1008+93

REVISIONS	
NAME	DATE

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TYPICAL SECTIONS

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REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO.		

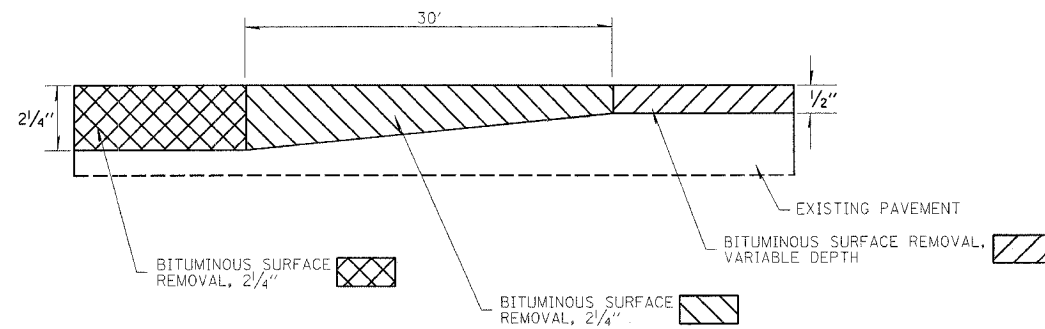
CONTRACT NO. 94944



NOTES:

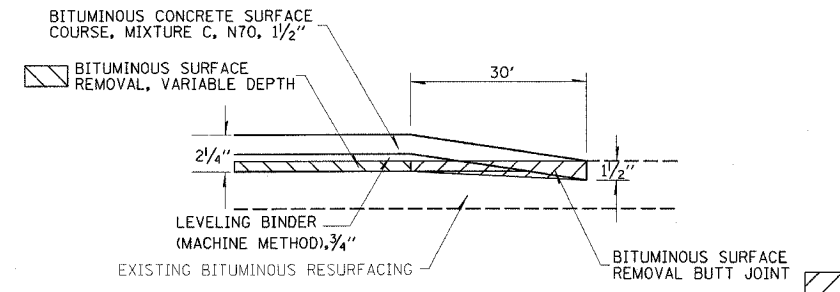
1. MILLING SHALL BE DONE TO ATTAIN A $\frac{3}{16}$ " SLOPE IN CROWN SECTIONS
2. EXISTING S.E. AND S.E. TRANSITIONS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS.
3. MILLING TO THE BOTTOM OF WHEEL RUTS SHALL NOT BE NECESSARY UNLESS REQUIRED TO OBTAIN SLOPE OR THE DESIGN DEPTH AT CENTERLINE.
4. THE AVERAGE DEPTH OF MILLING IS ESTIMATED TO BE $\frac{1}{2}$ " BUT MAY VARY IN ISOLATED LOCATIONS.

BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) DETAIL



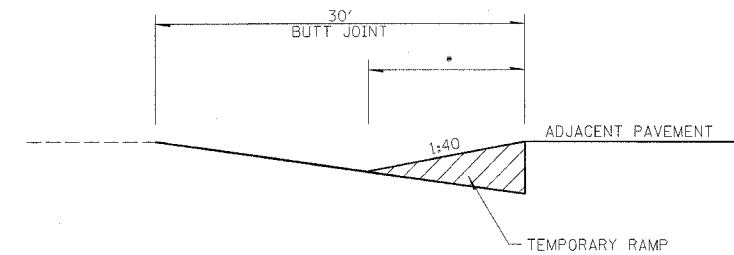
MILLING TRANSITION

STA 612+29 TO STA 612+59
 STA 618+00 TO STA 618+30
 STA 1000+16 TO STA 1000+46



BUTT JOINT DETAIL

STA 440+50 TO STA 440+80
 STA 490+47 TO STA 490+77
 STA 491+99 TO STA 492+29



TEMPORARY RAMP DETAIL

- 1 1/2 - 5' RAMP
- 2 1/4 - 7.5' RAMP

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DETAILS

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RTL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	7
FED. ROAD DIST. NO. 7		BLINDS	FED. AID PROJECT NO.	
CONTRACT NO. 94944				

RESURFACING SCHEDULE

STATION TO STATION	LENGTH	EXISTING PAVEMENT WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N 70	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, MIX D, N 90	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N 90	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	BITUMINOUS SURFACE REMOVAL 2 1/4"	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	AGGREGATE SHOULDERS, TYPE B	TEMPORARY RAMP
	LIN FT	FEET	SQ YD	GALLON	TON	TON	TON	TON	TON	SQ YD	SQ YD	SQ YD	TON	SQ YD
ILL 1														
440+50 TO 490+77	5027.0	30	16757	3351.3	33.5	703.8	1407.6			200		16556	547.6	33.4
490+77 TO 491+99		30								100				
491+99 TO 612+29	12030.3	30	40101	8020.2	80.2	1684.2	3368.5					40000	1317.9	16.7
612+29 TO 612+59	30.0	30	100	20.0	0.2	4.2	8.4				100.0		3.3	
612+59 TO 614+75	215.8	31.5	755	151.0	1.5	31.7	63.4				755.1		5.3	
614+75 TO 617+30	255.0	39	1105	221.0	2.2	46.4	92.8				1105.0		14.1	
617+30 TO 618+00	70.0	33	257	51.3	0.5	10.8	21.6				256.7		3.9	
618+00 TO 618+30	30.0	30	100	20.0	0.2	4.2	8.4				100.0		3.3	
618+30 TO 1000+16	38186.0	30	127287	25457.3	254.6	5346.0	10692.1					127286	4158.8	
1000+16 TO 1000+46	30.0	30	100	20.0	0.2	4.2	8.4				100.0		3.3	
1000+46 TO 1008+93	847.8	24	2261	452.2	4.5			189.9	95.0		2260.8		9.4	20.0
1009+00 TO 1015+40	640.0	28	1991	398.2	4.0			167.3	83.6		1991.1			43.3
ILL 33														
1+00 TO 0+00	100.0	26	289	57.8	0.6			24.3	12.1		288.9			20.8
1021+23 TO 1023+70	247.0	26	714	142.7	1.4			59.9	30.0		713.6			
1023+94 TO 1027+00	306.0	25	850	170.0	1.7			71.4	35.7		850.0			21.7
4 CORNERS OF INTERSECTION		VAR	533	106.7	1.1			44.8	22.4		533.3			
				38640	387	7836	15672	558	279	300	9055	183845	6067	156

PAVEMENT MARKING SCHEDULE

STATION TO STATION	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 24"	SHORT-TERM PAVEMENT MARKING	RAISED REFLECTIVE PAVEMENT MARKERS
	SQ FT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH
IL 1									
440+50 TO 593+75					37740			6081.2	191
593+75 TO 618+12	46.8	170		46.8	9008	170		1042.8	36
618+12 TO 653+63					8863			1420.4	45
653+63 TO 660+60					2743			278.8	9
660+60 TO 1000+46					82751			13594.4	425
1000+46 TO 1002+15					212			67.6	3
1002+15 TO 1008+93	61.2		36	61.2	645		36	463.2	9
1010+00 TO 1015+40			12		1755		12	408	7
IL 33									
1+00 TO 0+00					225			40	2
1021+23 TO 1027+00			48		1299		48	998.8	8
TOTALS	108	170	96	108	145241	170	96	24396	735

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

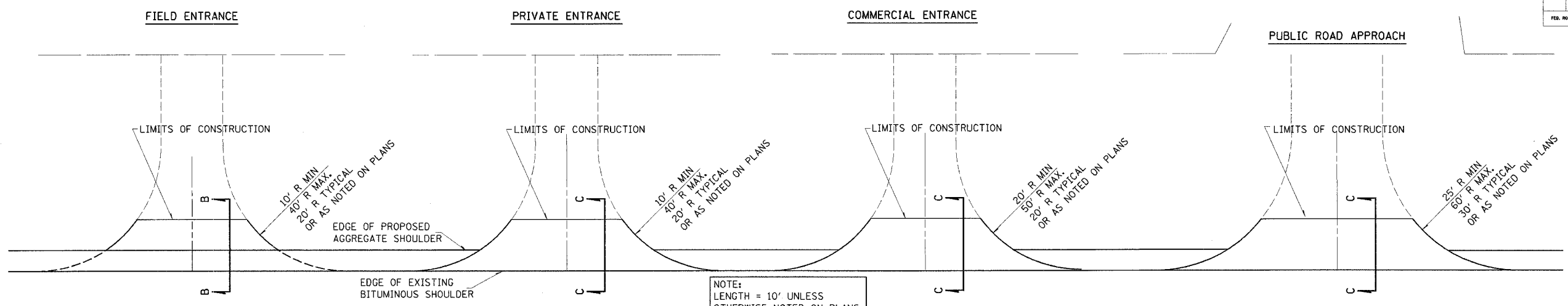
SCHEDULES

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DATE

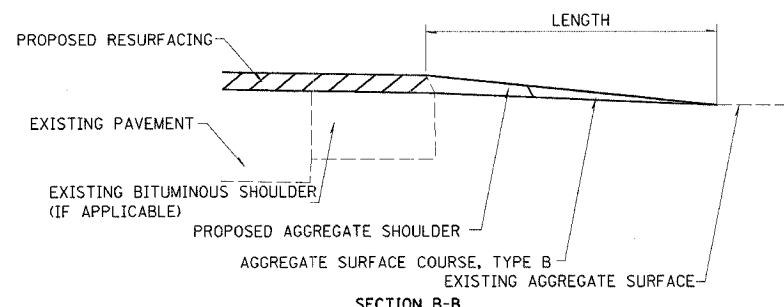
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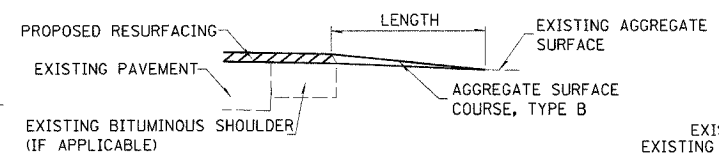
FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	8
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94944				



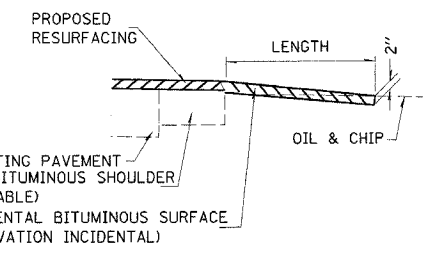
NOTE:
 LENGTH = 10' UNLESS
 OTHERWISE NOTED ON PLANS.



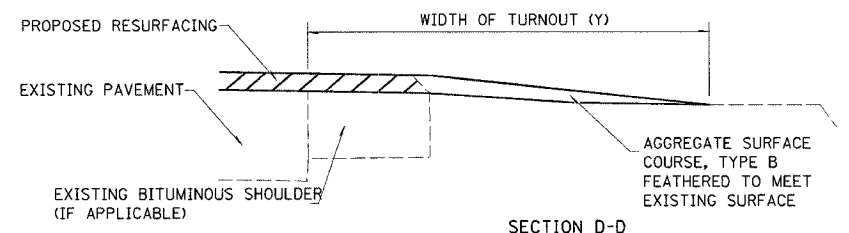
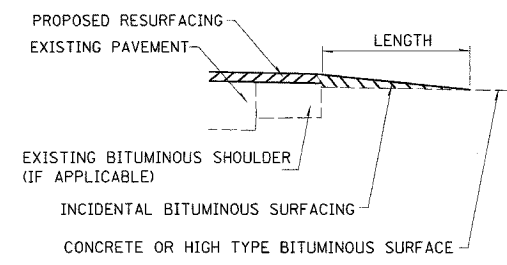
SECTION B-B



NOTE:
 IF THERE IS NO EXISTING BITUMINOUS
 SHOULDER ENTRANCE TAPER LENGTH
 STARTS AT EDGE OF EXISTING PAVEMENT.



SECTION C-C



SECTION D-D

TYPICAL SECTION AT MAILBOX TURNOUT
 NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

SIDE	STATION	TYPE	INCIDENTAL BITUMINOUS SURFACING*		SIDE	STATION	TYPE	INCIDENTAL BITUMINOUS SURFACING*		SIDE	STATION	TYPE	INCIDENTAL BITUMINOUS SURFACING*		SIDE	STATION	TYPE	INCIDENTAL BITUMINOUS SURFACING*		SIDE	STATION	TYPE	INCIDENTAL BITUMINOUS SURFACING*		
			TON	TON				TON	TON				TON	TON				TON	TON				TON	TON	TON
RT	441+61	PRA	5.6		RT	562+79	PE		2.5	LT	673+69	PE		2.0	RT	791+89	FE		0.7	RT	901+55	PRA		2.8	
RT	447+56	FE		0.9	LT	568+71	FE		1.2	LT	674+90	PE		2.0	RT	799+54	FE		0.6	LT	909+18	PE		2.7	
LT	447+56	FE		1.8	RT	569+62	FE		1.0	LT	678+50	PE		3.0	RT	800+38	FE		0.6	RT	911+45	PE		1.4	
RT	455+34	PE		2.3	RT	570+93	FE		1.0	RT	678+60	PE		1.2	LT	806+73	PE		1.4	LT	913+30	FE		0.7	
LT	455+40	FE		0.9	LT	573+26	PRA		2.5	LT	684+70	PRA		4.2	RT	810+35	FE		1.2	RT	915+42	FE		0.6	
RT	456+54	PE		2.1	RT	576+44	PRA		3.9	RT	684+92	PRA		2.1	RT	815+05	PE		1.2	LT	925+82	PRA		4.6	
RT	467+18	FE		0.9	LT	576+44	PE		2.1	LT	685+06	PE		1.8	RT	816+22	PE		1.4	LT	940+70	FE		1.2	
LT	467+18	FE		1.2	RT	583+94	PE		2.3	RT	693+98	FE		0.7	LT	818+65	PRA		4.2	LT	954+17	PRA		4.6	
RT	474+17	FE		0.9	LT	592+22	FE		0.9	LT	698+60	FE		0.7	RT	820+30	PRA		4.2	RT	955+53	PRA		4.6	
LT	474+17	FE		0.9	RT	592+86	FE		0.9	RT	703+78	PE		1.8	LT	821+88	PE		3	LT	955+53	PE		1.2	
RT	479+11	FE		0.9	RT	599+56	CE		2.8	RT	713+69	FE		1.8	RT	822+54	PE		3	RT	966+60	FE		0.7	
RT	482+67	FE		0.9	LT	599+56	PE		2.5	LT	724+17	FE		0.9	RT	824+52	PE		1.2	LT	970+68	PE		1.6	
LT	490+35	PRA		3	RT	603+21	PE		1.8	LT	726+54	FE		0.7	LT	831+50	FE		0.7	LT	972+19	PE		1.2	
RT	496+00	PRA		5.6	RT	607+58	PE		2.7	RT	726+54	FE		0.7	LT	832+30	PE		1.9	LT	975+43	CE		3	
RT	508+21	PE		1.4	LT	613+36	PE		0.9	LT	737+83	PE		2.0	RT	839+09	PE		1.8	RT	980+65	PE		3.6	
RT	509+28	PE		1.4	LT	614+50	PRA		7	RT	739+03	PE		2.6	RT	839+72	PE		1.4	RT	981+34	PE		1.8	
LT	511+33	FE		1.1	RT	615+55	PE		1.8	LT	744+50	FE		0.6	LT	845+77	FE		0.7	LT	981+76	CE		4.6	
RT	519+57	PE		1.6	RT	617+17	PRA		2.8	LT	746+41	FE		0.9	RT	845+77	FE		0.7	RT	982+43	FE		0.6	
LT	520+25	FE		0.6	RT	618+17	PE		1.4	RT	747+81	FE		1.4	RT	848+62	FE		0.7	LT	982+43	PE		2.0	
RT	527+25	FE		0.7	RT	623+55	FE		0.7	LT	750+31	PE		2.1	RT	851+34	FE		0.7	LT	983+60	FE		0.6	
LT	529+63	FE		0.7	LT	628+57	PRA		4.4	LT	753+00	FE		0.9	RT	853+44	FE		0.7	LT	990+94	PE		1.2	
LT	529+92	FE		0.9	RT	630+71	PRA		3.5	RT	760+91	PE		1.8	LT	858+36	PE		2.1	LT	996+34	PE		2.0	
LT	531+86	FE		0.7	RT	630+68	PE		1.8	LT	765+14	PRA		2.6	RT	861+93	FE		0.6	LT	998+99	PE		1.1	
RT	534+09	FE		0.7	RT	643+57	PE		1.1	LT	765+80	PE		1.8	RT	871+74	PE		1.8	LT	1000+30	PE		1.4	
RT	537+44	FE		0.9	RT	644+64	PE		1.8	LT	766+28	PE		1.8	LT	872+62	PRA		3.5	TOTALS				108	158
LT	539+26	PE		0.8	RT	647+30	PE		1.8	RT	766+48	PRA		3.2	LT	873+52	FE		0.6						
RT	541+46	FE		0.7	RT	648+89	PE		1.8	LT	772+90	PE		1.8	RT	880+96	FE		0.6						
LT	546+66	PRA		2.1	RT	651+67	PE		1.8	LT	773+43	PE		1.8	LT	881+19	FE		0.7						
RT	550+40	FE		1.0	RT	656+12	PE		2.6	RT	775+09	PE		1.2	RT	888+69	FE		0.6						
RT	553+45	FE		2.0	RT	660+10	PE		6.4	LT	775+46	PE		2.1	LT	889+50	FE		0.7						
RT	556+84	FE		1.5	LT	664+19	PE		2.8	LT	782+40	PE		1.2	LT	894+28	FE		0.7						

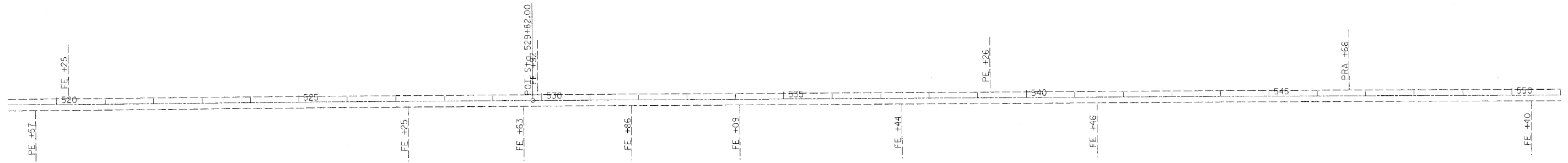
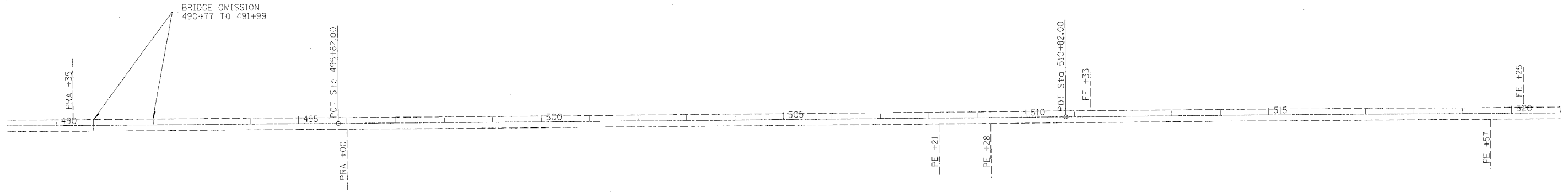
FE - FIELD ENTRANCE PRA - PUBLIC ROAD APPROACH
 PE - PRIVATE ENTRANCE MBT - MAILBOX TURNOUT
 CE - COMMERCIAL ENTRANCE

*BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE CONSIDERED INCIDENTAL TO INCIDENTAL BITUMINOUS SURFACING AS NOTED IN THE SPECIAL PROVISIONS

ISSUED: 08-03-99

ATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	10
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94944



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**STA 490 + 00
TO
STA 550 + 00**

SCALE: VERT.
DATE: HORIZ.

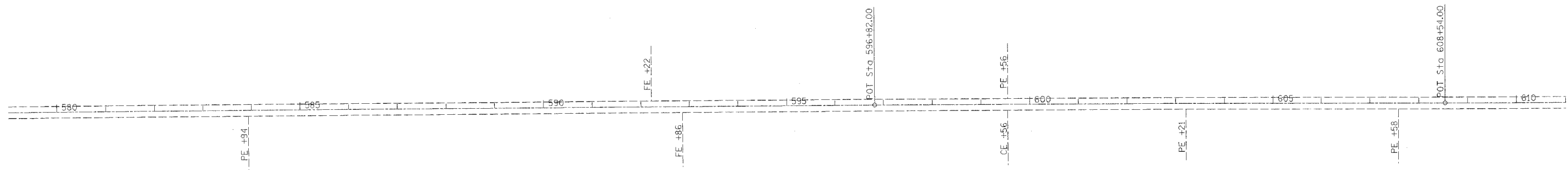
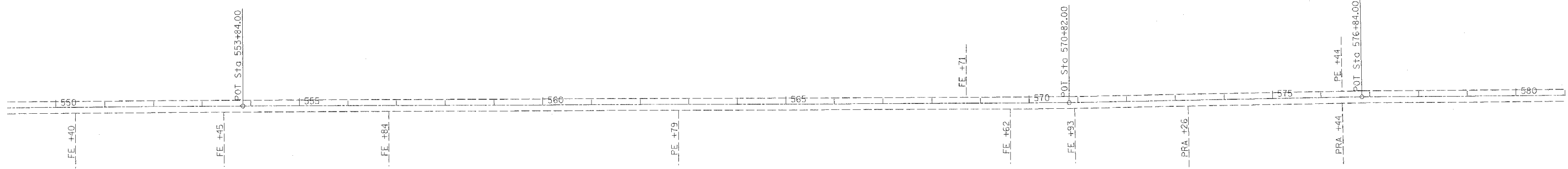
DRAWN BY
CHECKED BY

steffenmk
3/31/2005
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3

FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	11
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94944



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

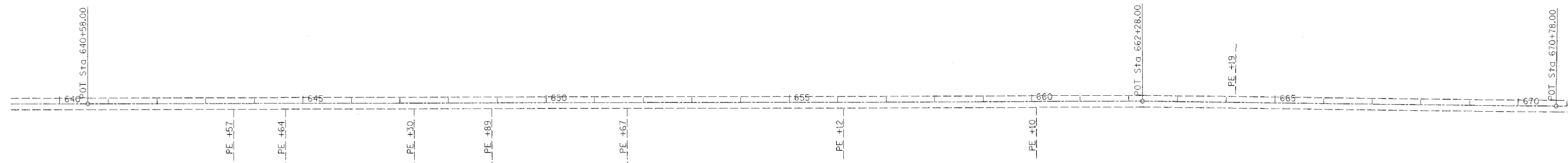
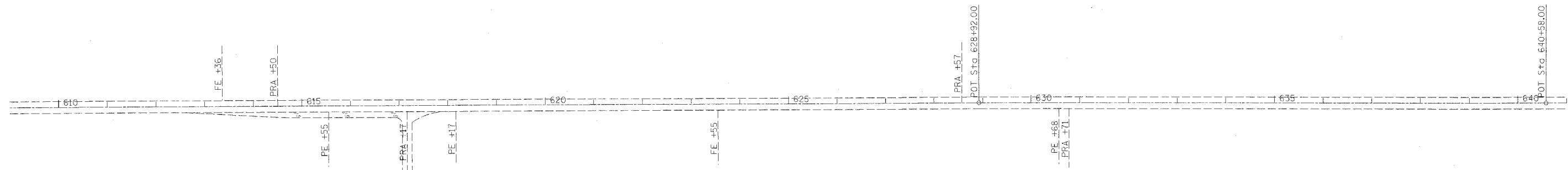
**STA 550+00
TO
STA 610+00**

SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

HTL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	12
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94944



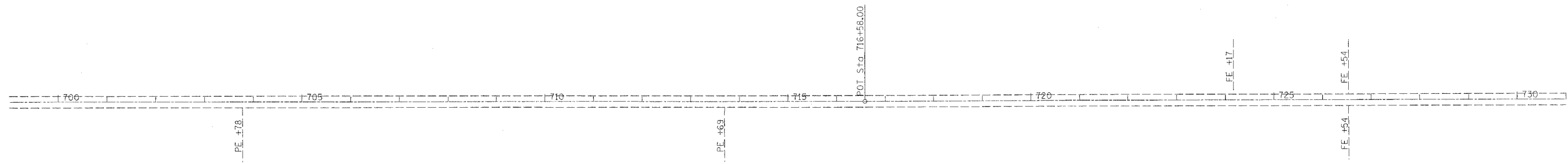
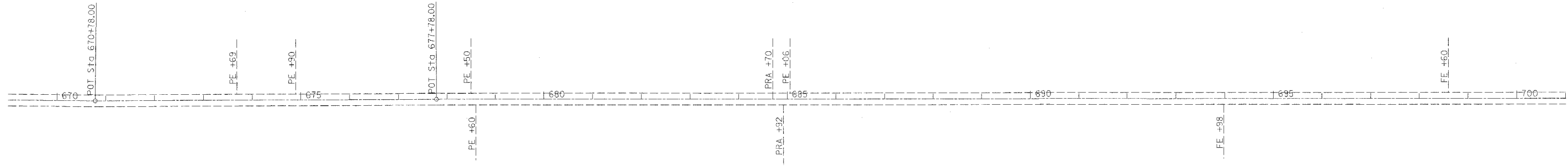
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**STA 610+00
 TO
 STA 670+00**
 SCALE: VERT. _____
 DATE _____ HORIZ. _____
 DRAWN BY _____
 CHECKED BY _____

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DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	13

FED. ROAD DIST. NO. 1
 ILLINOIS
 FED. AID PROJECT NO.
 CONTRACT NO. 94944



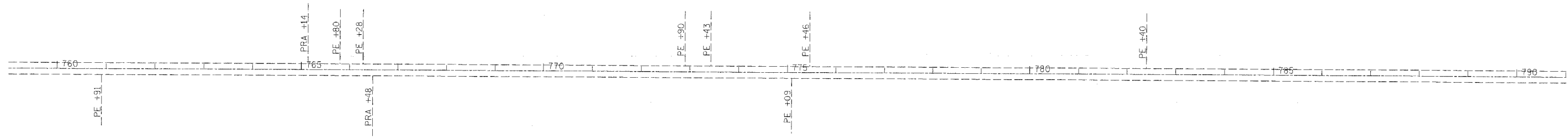
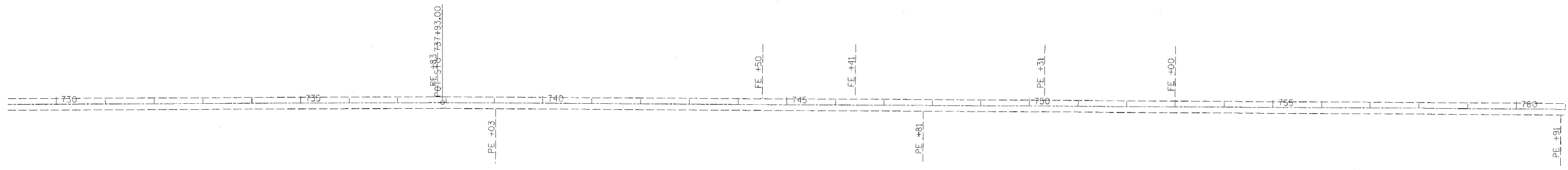
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STA 670 + 00
TO
STA 730 + 00
 SCALE: VERT. _____
 DATE: _____ HORIZ. _____
 DRAWN BY _____
 CHECKED BY _____

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332	(18,19,20) RS-2	CRAWFORD	21	14
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94944



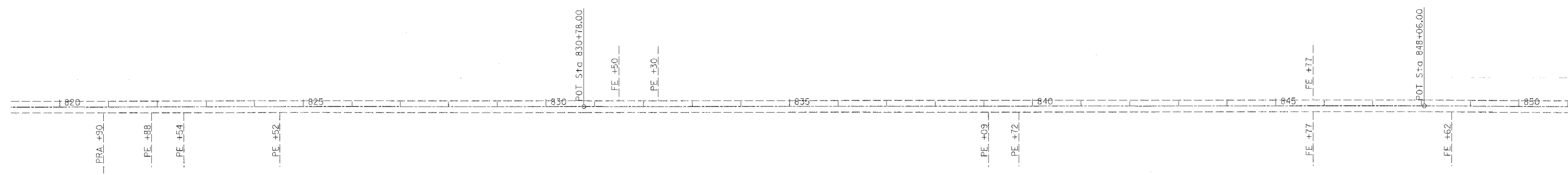
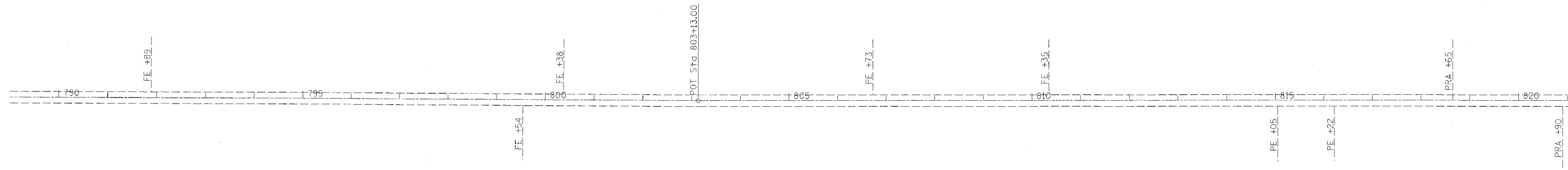
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STA 730+00
TO
STA 790+00
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

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FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	15
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94944



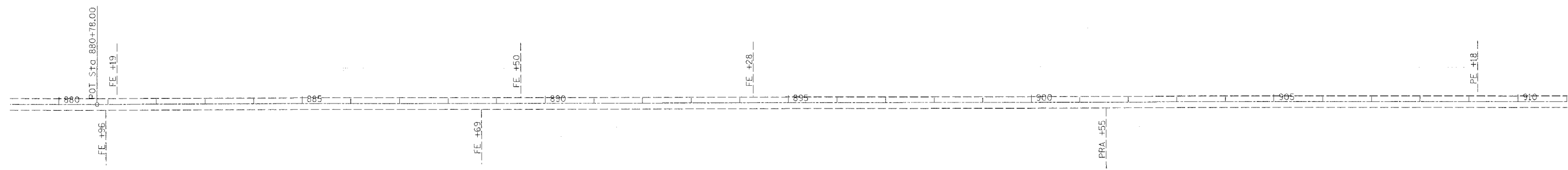
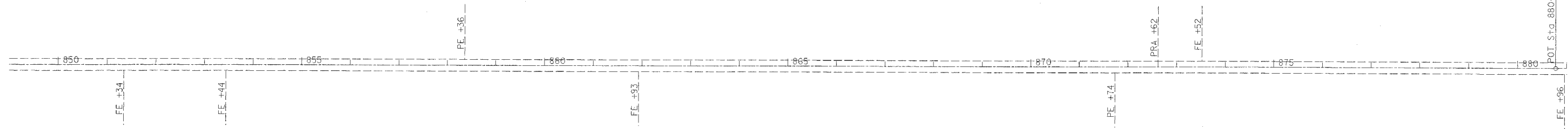
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**STA 790+00
 TO
 STA 850+00**
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

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ATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	16
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94944



REVISIONS	
NAME	DATE

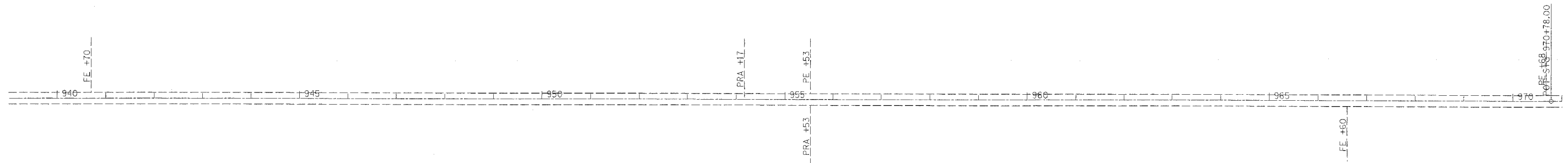
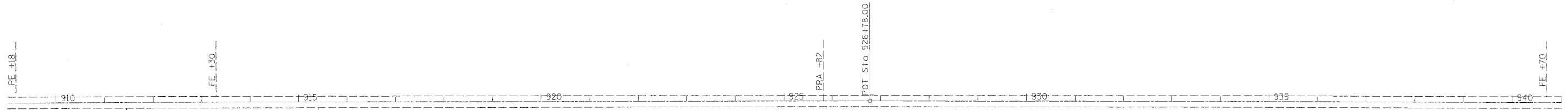
ILLINOIS DEPARTMENT OF TRANSPORTATION
STA 850 + 00
TO
STA 910 + 00
 SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	17

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NO.

CONTRACT NO. 94944



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

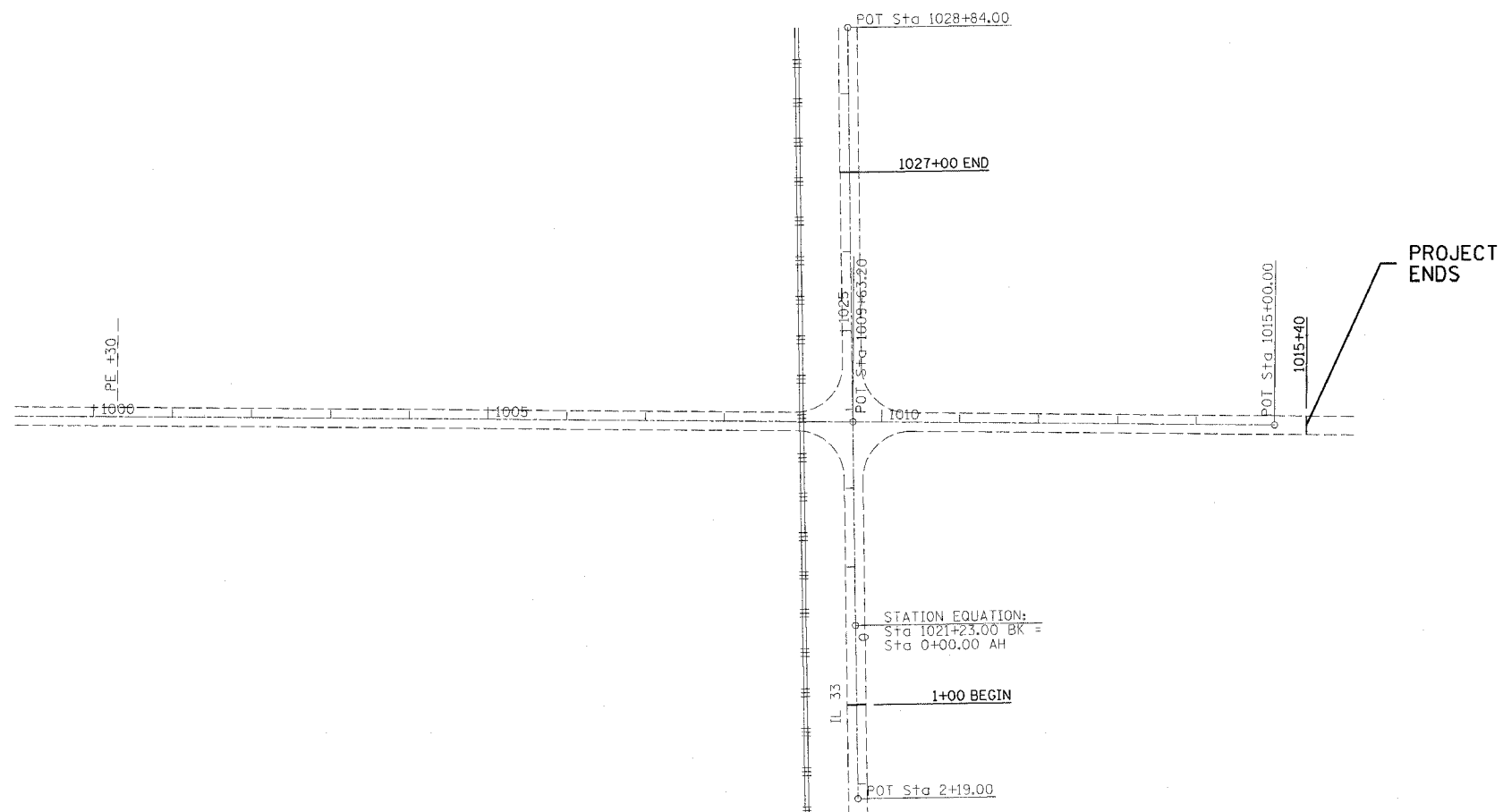
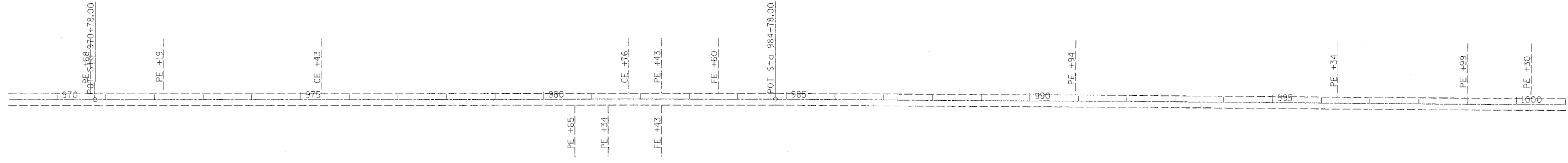
**STA 910 + 00
 TO
 STA 970 + 00**

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
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FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	18
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94944



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

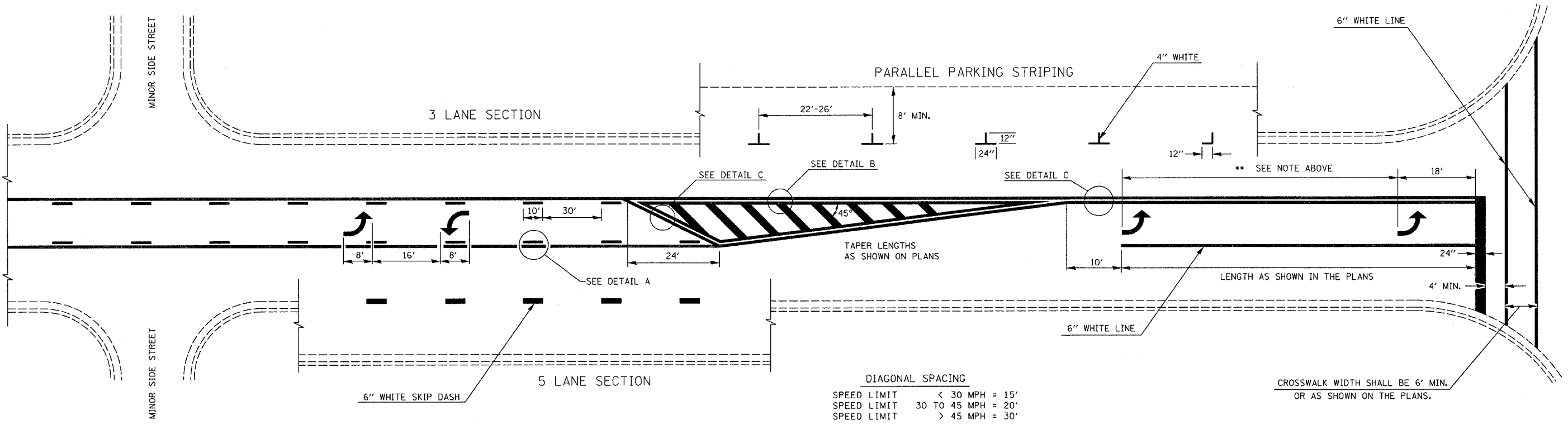
**STA 970 + 00
TO
STA 1015 + 00**

SCALE: VERT. DATE HORIZ. DATE DRAWN BY CHECKED BY

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AVL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	20
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94944				

** PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.
 PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR. IF REQUIRED.
 ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.



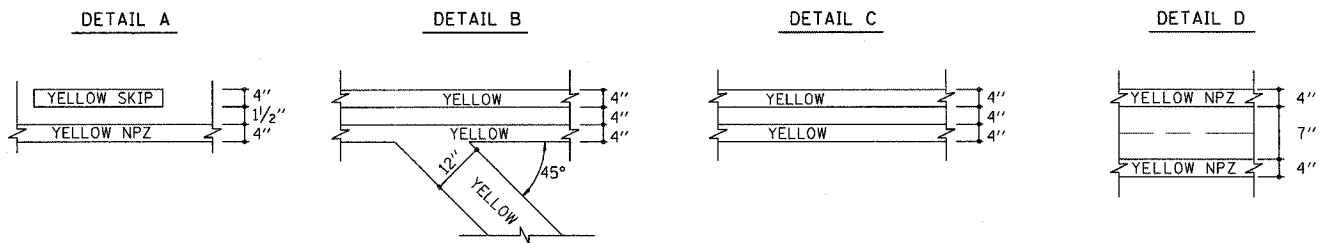
DIAGONAL SPACING

SPEED LIMIT	< 30 MPH	= 15'
SPEED LIMIT	30 TO 45 MPH	= 20'
SPEED LIMIT	> 45 MPH	= 30'

CROSSWALK WIDTH SHALL BE 6' MIN. OR AS SHOWN ON THE PLANS.

TYPICAL BI-DIRECTIONAL TURN LANE MARKINGS
 (SHOWING TRANSITION TO EXCLUSIVE LEFT TURN LANE)

- NOTES:**
- NO LESS THAN 2 ARROWS SHALL BE USED.
 - TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
 - AVOID PLACING BI-DIRECTIONAL ARROWS IN INTERSECTIONS.
 - BI-DIRECTIONAL ARROWS SHALL BE SPACED A MAXIMUM OF 250'.



NOT TO SCALE

REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

TYPICAL APPLICATION OF PAVEMENT MARKINGS
SHEET 2 OF 2

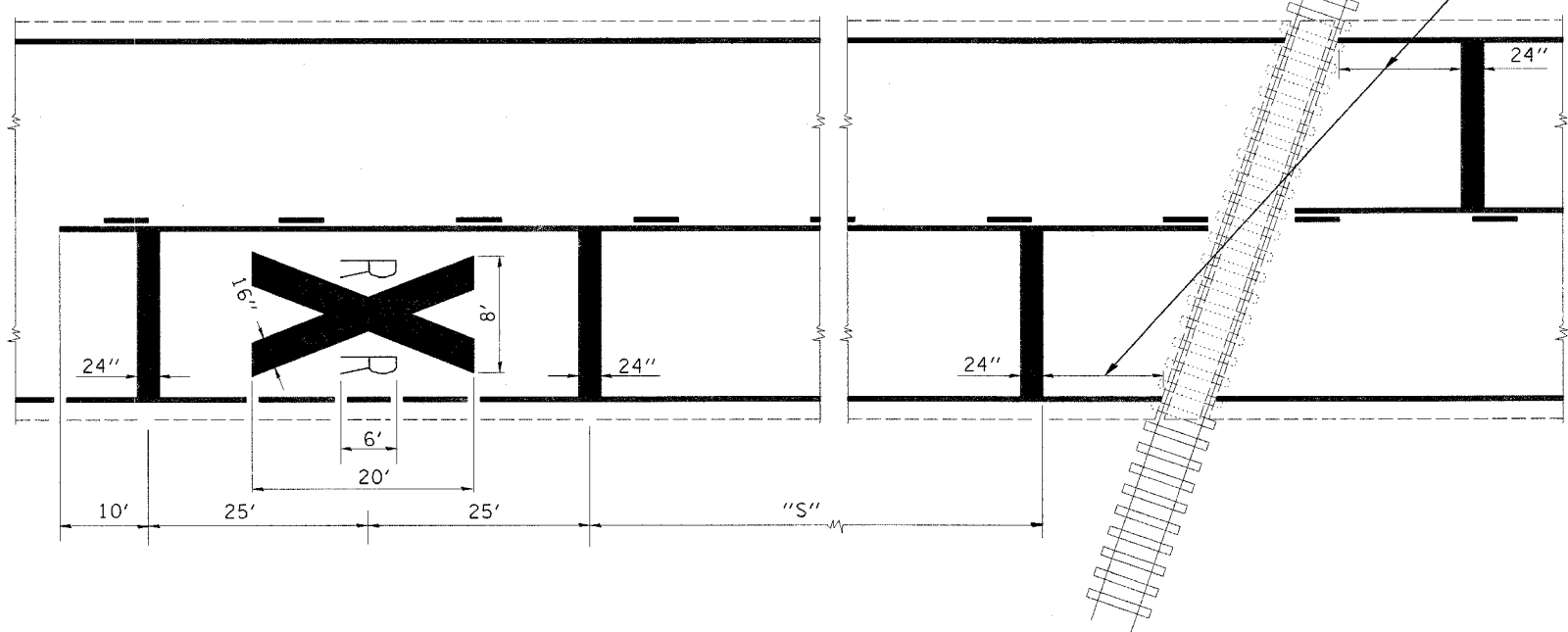
SCALE: VERT. _____
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 DATE _____
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EPMRR

RTL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(18,19,20) RS-2	CRAWFORD	21	21
FED. ROAD DIST. NO. 7		ALIMOS	FED. AID PROJECT NO.	
CONTRACT NO. 94944				

THE RAILROAD APPROACH NO PASSING ZONE LINES ARE TO BE YELLOW.
ALL OTHER RAILROAD APPROACH MARKINGS ARE TO BE WHITE.

THE STOP BAR SHOULD BE PLACED 8' FROM THE GATE (IF PRESENT), OTHERWISE
IT SHOULD NOT BE CLOSER THAN 15' FROM THE NEAREST RAIL.



SPEED (MPH)	"S"
40	90'
45	140'
50	215'
55	290'
60	365'

IN URBAN AREAS THE DISTANCE MAY
BE VARIED TO FIT THE APPROACH SPEED,
SIGHT DISTANCE, AND AVAILABLE SPACE.
"S" SHOULD NEVER BE LESS THAN 50'.

TYPICAL PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS AT
RAILROAD HIGHWAY
GRADE CROSSING**

SCALE: VERT.
HORIZ.
DATE

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