

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2, (125)RS-3	HANCOCK	19	1
ILLINOIS CONTRACT NO. 72G02				

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES/COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-5 SCHEDULE OF QUANTITIES
- 6-7 TYPICAL SECTIONS AND BUTT JOINT DETAIL
- 8-17 PLAN LINE DIAGRAM
- 18-19 ENTRANCE AND SIDEROAD DETAILS

HIGHWAY CLASSIFICATION

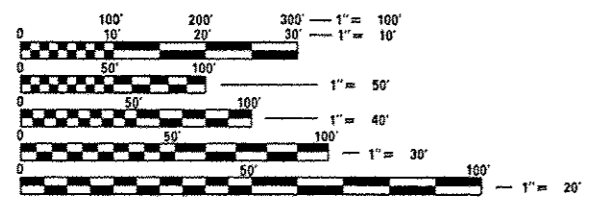
F.A.P. ROUTE 506 (IL 96)

ADT: 1,900 (2013) PV = 88.42%  
ADT: 2,370 (2035) SU = 4.21%  
DESIGN SPEED: 60 MPH MU = 7.37%  
POSTED SPEED: 55 MPH

CLASSIFICATION: MINOR ARTERIAL (NON-URBAN)

STANDARDS

- 000001-06
- 001006
- 442201-03
- 701201-04
- 701306-03
- 701311-03
- 701901-03
- 780001-04
- 781001-03



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  
OR 811

PROJECT ENGINEER: VINCE MADONIA (217) 785-9046  
PROJECT MANAGER: JAY EDWARDS (217) 785-5321

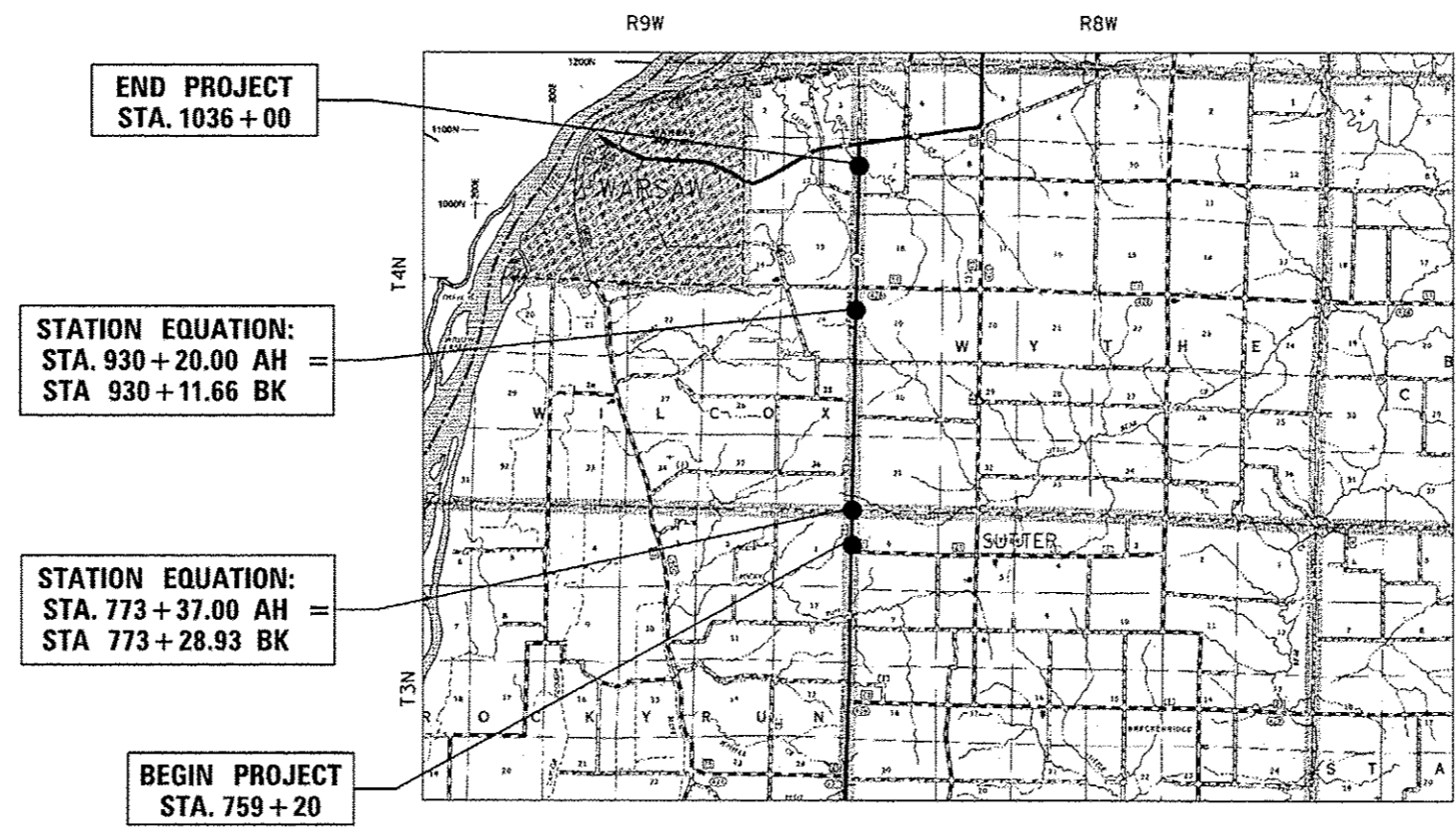
CONTRACT NO. 72G02

PROPOSED  
HIGHWAY PLANS

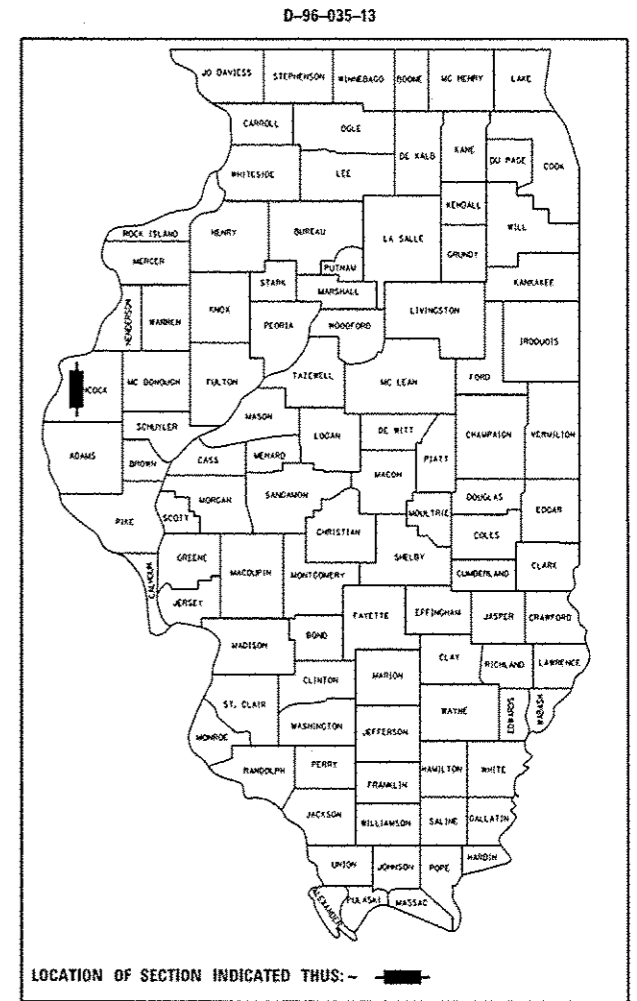
FAP ROUTE 506 (IL ROUTE 96)  
SECTION (124)RS-2, (125)RS-3

PPP RESURFACING  
HANCOCK COUNTY

C-96-035-13



GROSS LENGTH = 27663.60 FT. = 5.239 MILE  
NET LENGTH = 27663.60 FT. = 5.239 MILE



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED June 12 20 14

Raja Osman  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

July 19 20 14  
John D. Baranzelli, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

July 19 20 14  
Omer Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

1. 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.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
5. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 3/4 " UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
8. NO PASSING ZONES TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PERMANENT PAVEMENT MARKING. (PH: 217-785-5312)
9. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:
 

BITUMINOUS MATERIALS (PRIME COAT)	0.05 POUND/SQ. FT. (ON PAVEMENT)
BITUMINOUS MATERIALS (PRIME COAT)	0.001425 TON/SQ. YD. (ON AGG.)
AGGREGATE PRIME COAT	0.002 TON/SQ. YD.
BITUMINOUS CONCRETE SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	2.05 TON/CU. YD.
AGGREGATE WEDGE SHOULDER	1.90 TON/CU. YD.
10. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
11. NO COMMITMENTS MADE.

EXAMINED June 9 20 14  
*Jelly P. Meyer*  
 PROGRAM DEVELOPMENT ENGINEER

**DISTRICT SIX**

EXAMINED JUNE 11th 20 14  
*Alan C. W. [Signature]*  
 OPERATIONS ENGINEER

EXAMINED June 10 20 14  
*Ron [Signature]*  
 PROJECT IMPLEMENTATION ENGINEER

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	HMA SURFACE COURSE	LEVELING BINDER	PAVEMENT PATCHING & HMA SHOULDERS (LOWER LIFT)	HMA SHOULDERS/ INCIDENTAL HMA
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N 50	4.0% @ N 50	4.0% @ N 50	4.0% @ N 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:	MIX "C"	N/A	N/A	MIX "C"
20 YEAR ESAL	OCP	OCP	OC/OA	OC/OA

CODE NO.	ITEM	UNIT	FAP 506 IL 96 100% STATE ROADWAY	
			TOTAL QUANTITY	0005
				RURAL
20200100	EARTH EXCAVATION	CU YD	19	19
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	5	5
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	41	41
<del>40600300</del>	<del>AGGREGATE (PRIME COAT)</del>	<del>TON</del>	<del>165</del>	<del>165</del>
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	54400	54400
40600625	LEVELING BINDER (MACHINE METHOD), NS0	TON	3375	3375
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1615	1615
40600990	TEMPORARY RAMP	SO YD	189	189
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", NS0	TON	6770	6770
<del>40800025</del>	<del>BITUMINOUS MATERIALS (PRIME COAT)</del>	<del>POUND</del>	<del>37067</del>	<del>37067</del>
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	188	188
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SO YD	725	725
44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SO YD	50	50
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SO YD	50	50
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3789	3789

CODE NO.	ITEM	UNIT	FAP 506 IL 96 100% STATE ROADWAY	
			TOTAL QUANTITY	0005
				RURAL
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SO YD	188	188
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	28	28
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8299	8299
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	922	922
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	90075	90075
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	345	345
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	345	345
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	80373	80373
∅ 20076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500	500

\* SPECIALTY ITEMS  
∅ 0042

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
or:\p\work\p\idoc\sparkag\40333796\067	sparkag	2002-04-05	
	PLOT SCALE :	CHECKED :	REVISED :
	100,0000' / in.		
Default	PLOT DATE :	DATE :	REVISED :
	Jun-13-2014 01:50:21PM		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2, (125)RS-3	HANCOCK	19	3
				72002
[ILLINOIS] FED. AID PROJECT				

AGGREGATE WEDGE SHOULDER SCHEDULE						
xxx		LENGTH	AGG SHLD WIDTH	AVERAGE DEPTH	AGG WEDGE SHOULDER	
Location	Sta to Sta	FT	FT	FT	TON	
IL 96	759+20 773+28.93	1,408.9	4.0	0.25	198.3	
	773+28.93 773+37.00	STATION EQUATION				
	773+37.00 801+45	2,808.0	4.0	0.25	395.2	
	801+45 806+54	509.0	4.0	0.25	35.8	
	806+54 870+80	6,426.0	4.0	0.25	904.4	
	870+80 872+78	198.0	4.0	0.25	13.9	
	872+78 930+11.66	5,733.7	4.0	0.25	807.0	
	930+11.66 930+20.	STATION EQUATION				
	930+20. 1030+41	10,021.0	4.0	0.25	1410.4	
	1030+41. 1031+78	137.0	4.0	0.25	9.6	
	1031+78. 1033+98	NO AGG SHOULDER (SEE TYPICAL SECTIONS)				
	1033+98 1036+00	202.0	4.0	0.25	14.2	
Total		27443.6			3788.8	
Use		27444			3789	

TEMPORARY RAMP SCHEDULE					
SIDEROAD	STATION	LT/RT	LENGTH FT	PAVT WIDTH @ EOP FT	RAMP AREA SQ YD
	759+21		5	26	14.4
T.R. 337	787+52	LT	5	36	20.0
T.R. 337	787+52	RT	5	18	10.0
T.R. 323	814+30		5	38	21.1
T.R. 301	854+32		5	20	11.1
T.R. 297	867+62		5	25	13.9
T.R. 291	894+23	RT	5	20	11.1
T.R. 291	894+52	LT	5	20	11.1
C.H. 11	947+57		5	21	11.7
C.H. 11	947+98		5	55	30.6
T.R. 261	1013+61	RT	5	18	10.0
T.R. 261	1013+61		5	18	10.0
	1036+01		5	26	14.4
Total					189.4
Use					189

TEMPORARY PAVEMENT MARKING SCHEDULE			
Location	LENGTH FT	SHORT TERM PAVEMENT MARKING (3 Applications) FT	SHORT TERM PAVT MARKING REM SQ FT
IL 96	27,664.0	8299	922
Total		8299.2	922.1
Use		8299	922

ENTRANCE/ SIDEROAD IMPROVEMENT SCHEDULE																
LOCATION	TYPE OF ENTRANCE	EX MATERIAL TYPE	LENGTH (FROM EDGE OF PVT/ BIT SHLD TO LIMITS OF IMPROVEMENT)	WIDTH	TAPER	DRIVEWAY AREA	TAPER/ RADIUS RETURN AREA	MAILBOX TURNOUT AREA	TOTAL AREA	PROPOSED HMA THICKNESS	HOT-MIX ASPHALT SURF. REM. - BUTT JOINT	EARTH EX.	AGG. SURFACE COURSE, TYPE B	BIT (PC)	AGG (PC)	INCIDENTAL HOT-MIX ASPHALT SURFACING
(LT / RT) STA	(FE/PE/CE/MB) (RURAL/URBAN)	(EARTH / AGG. / O&C / BIT. / P.C.C.)	FOOT	FOOT	FOOT	SO. FT.	SO. FT.	SO. FT.	SO. FT.	INCH	SO. YD.	CY. YD.	TON	POUND	TON	TON
RT 764+42	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 765+83	PE / RURAL	GRAVEL	8	16	15	128	120		248	3.5		1.9	4.1	12.40	0.06	5.4
RT 771+90	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 772+62	PE / RURAL	EARTH	8	16	15	128	120		248	3.5		1.9	4.1	12.40	0.06	5.4
RT 773+00	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 775+25	CE / RURAL	GRAVEL	10	20	20	200	160		360	1.5	40.0			18.00	0.08	3.4
LT 776+37	CE / RURAL	GRAVEL	10	20	20	200	160		360	1.5	40.0			18.00	0.08	3.4
LT 777+05	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 779+05	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 787+52	T.R. 337	HMA	35	20	20	700	160		860	1.5	95.6			43.00	0.19	8.0
RT 787+52	T.R. 337	HMA	30	20	20	600	160		760	1.5	84.4			38.00	0.17	7.1
LT 792+25	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 801+98	PE / RURAL	GRAVEL	8	16	15	128	120		248	3.5		1.9	4.1	12.40	0.06	5.4
RT 803+92	PE / RURAL	GRAVEL	8	16	15	128	120		248	3.5		1.9	4.1	12.40	0.06	5.4
RT 806+85	FE / RURAL	GRAVEL	3	16	10	48	80		128							
RT 810+00	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 812+95	FE / RURAL	EARTH	3	16	10	48	80		128							
814+30	T.R. 323	HMA	40	20	20	800	160		960	1.5	106.7			48.00	0.21	9.0
RT 815+60	PE / RURAL	HMA	8	16	15	128	120		248	1.5	27.6			12.40	0.06	2.3
RT 817+58	FE / RURAL	GRAVEL	3	16	10	48	80		128							
LT 820+87	PE / RURAL	HMA	8	16	15	128	120		248	1.5	27.6			12.40	0.06	2.3
LT 822+47	PE / RURAL	GRAVEL	8	16	15	128	120	300	548	3.5		1.9	4.1	27.40	0.12	11.9
RT 824+00	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 826+00	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 827+54	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 837+00	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 838+73	PE / RURAL	HMA	8	16	15	128	120	300	548	1.5	60.9			27.40	0.12	5.1
LT 840+59	PE / RURAL	HMA	8	16	15	128	120		248	1.5	27.6			12.40	0.06	2.3
RT 840+74	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 841+16	FE / RURAL	EARTH	3	16	10	48	80		128							
854+32	T.R. 301	HMA	35	20	20	700	160		860	1.5	95.6			43.00	0.19	8.0
RT 857+74	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 862+00	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 867+00	FE / RURAL	EARTH	3	16	10	48	80		128							
867+62	T.R. 297	HMA	40	20	20	800	160		960	1.5	106.7			48.00	0.21	9.0
RT 870+50	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 871+74	PE / RURAL	GRAVEL	8	16	15	128	120		248	3.5		1.9	4.1	12.40	0.06	5.4
RT 872+20	PE / RURAL	GRAVEL	8	16	15	128	120		248	3.5		1.9	4.1	12.40	0.06	5.4
LT 876+63	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 886+73	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 888+51	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 894+23	T.R. 291	HMA	30	20	20	600	160		760	1.5	84.4			38.00	0.17	7.1
LT 894+52	T.R. 291	HMA	10	20	20	200	160		360	1.5	40.0			18.00	0.08	3.4
RT 900+08	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 901+51	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 916+62	PE / RURAL	GRAVEL	8	16	15	128	120		248	3.5		1.9	4.1	12.40	0.06	5.4
RT 916+68	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 920+68	PE / RURAL	HMA	8	16	15	128	120	300	548	1.5	60.9			27.40	0.12	5.1
Sub Total											897.8	15.0	32.6	518.20	2.3	125.2

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

ENTRANCE / SIDEROAD IMPROVEMENT SCHEDULE																
LOCATION	TYPE OF ENTRANCE	EX MATERIAL TYPE	LENGTH (FROM EDGE OF PVT / BIT SHLD TO LIMITS OF IMPROVEMENT)	WIDTH	TAPER	DRIVEWAY AREA	TAPER / RADIUS RETURN AREA	MAIL BOX TURNOUT AREA	TOTAL AREA	PROPOSED HMA THICKNESS	HOT-MIX ASPHALT SURF. REM. BUTT JOINT	EARTH EX.	AGG. SURFACE COURSE, TYPE B	BIT (PC)	AGG (PC)	INCIDENTAL HOT-MIX ASPHALT SURFACING
(LT / RT) STA	(FE/PE/CE/MB) (RURAL/URBAN)	(EARTH / AGG. / O&C / BIT. / P.C.C.)	FOOT	FOOT	FOOT	SO. FT.	SO. FT.	SO. FT.	SO. FT.	INCH	SO. YD.	CY. YD.	TON	POUND	TON	TON
RT 923+48	PE / RURAL	HMA	8	16	15	128	120		248	1.5	27.6			12.40	0.06	2.3
LT 934+31	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 945+58	PE / RURAL	HMA	8	16	15	128	120		248	1.5	27.6			12.40	0.06	2.3
RT 947+57	C.H. 11	HMA	50	20	20	1000	160		1160	1.5	128.9			58.00	0.26	10.8
LT 947+98	C.H. 11	HMA	50	20	20	1000	160		1160	1.5	128.9			58.00	0.26	10.8
LT 957+90	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 961+59	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 962+00	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 973+78	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 984+40	FE / RURAL	GRAVEL	3	16	10	48	80		128							
LT 985+90	PE / RURAL	HMA	8	16	15	128	120		248	1.5	27.6			12.40	0.06	2.3
RT 987+60	PE / RURAL	HMA	8	16	15	128	120		248	1.5	27.6			12.40	0.06	2.3
RT 996+92	PE / RURAL	GRAVEL	8	16	15	128	120	300	548	3.5		1.9	4.1	27.40	0.12	11.9
LT 1001+60	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 1013+61	T.R. 261	HMA	30	20	20	600	160		760	1.5	84.4			38.00	0.17	7.1
LT 1013+61	T.R. 261	HMA	30	20	20	600	160		760	1.5	84.4			38.00	0.17	7.1
RT 1015+10	FE / RURAL	EARTH	3	16	10	48	80		128							
RT 1028+86	FE / RURAL	EARTH	3	16	10	48	80		128							
LT 1030+70	PE / RURAL	GRAVEL	8	16	15	128	120		248	3.5		1.9	4.1	12.40	0.06	5.4
Total											1434.7	18.8	40.7	799.60	3.6	187.6
Use											1435	19	41	800	4	188

RESURFACING SCHEDULE (MAINLINE PAVEMENT)												
Location	Sta to	Sta	LENGTH FT	PAVT WIDTH FT	ROAD AREA SQ YD	HMA SURF REM. BUTT JOINT SQ YD	HMA SURF REM VAR DEPTH SQ YD	BIT (PRIME COAT) POUND	LEVELING BINDER, 3/4" TON	HMA SURFACE, 1-1/2" TON	EXCAVATING & GRADING EX. SHLD UNIT	HMA SHOULDERS, 6 1/2" SQ YD
IL 96	759+20	773+28.93	1408.93	26	4,070.2	86.7	3983.6	2,747.41	171.0	341.9	-	-
STATION EQUATION												
	773+28.93	773+37.00										
	773+37.00	801+45	2808	26	8,112.0		8112.0	5,475.60	340.7	681.4	-	-
	801+45	806+54	509	30	1,696.7		1696.7	1,145.25	71.3	142.5	-	-
	806+54	870+80	6426	26	18,564.0		18564.0	12,530.70	779.7	1,559.4	-	-
	870+80	872+78	198	32	704.0		704.0	475.20	29.6	59.1	-	-
	872+78	930+11.66	5733.66	26	16,563.9		16563.9	11,180.64	695.7	1,391.4	-	-
	930+11.66	930+20.										
STATION EQUATION												
	930+20.	1030+41	10021	26	28,949.6		28949.6	19,540.95	1,215.9	2,431.8	-	-
	1030+41.	1031+78	137	32	487.1		487.1	328.80	20.5	40.9	-	-
	1031+78.	1032+81	103	35	400.6		354.8	270.38	14.9	33.6	1.03	45.8
	1032+81.	1033+98	117	32	416.0		416.0	280.80	13.1	34.9	2.34	52.0
	1033+98	1036+00	202	28	628.4	93.3	541.8	424.20	22.6	52.8	2.02	89.8
Total			27663.6		80,592.5	180.0	80,373.4	54,399.9	3,374.8	6,769.8	5.4	187.6
Use					80592	180	80373	54400	3375	6770	5	188

\*NOTE: SURFACE REMOVAL DEPTH SHALL BE INCREASED TO 2.25" AT SHOULDER LOCATIONS SO THAT THE EXISTING GUTTER IS NOT OVERLAYED.

PAVEMENT MARKING SCHEDULE									
Sta to	Sta	Solid Yellow Location	THERMOPLASTIC PAVT MARKING					RAISED REFL. PAVT. MARKER	
			LENGTH	5" DOUBLE YELLOW	5" SOLID YELLOW	5" SKIP-DASH YELLOW	5" EDGE WHITE	REMOVE	REPLACE
			FT	FT	FT	FT	FT	EACH	EACH
759+20	761+50.		230.0			58	460	3	3
761+50	778+00.	RT	1,650.0		1650.0	413	3300	21	21
778+00.	782+00.		400.0			100	800	5	5
782+00.	796+00.	LT	1,400.0		1400.0	350	2800	18	18
796+00	798+50.		250.0	500.0			500	3	3
798+50	806+00.	RT	750.0		750.0	188	1500	9	9
806+00	817+00.		1,100.0			275	2200	14	14
817+00	826+00.	LT	900.0		900.0	225	1800	11	11
826+00	828+00.		200.0			50	400	3	3
828+00	843+00.	RT	1,500.0		1500.0	375	3000	19	19
843+00	848+00.		500.0			125	1000	6	6
848+00	859+00.	LT	1,100.0		1100.0	275	2200	14	14
859+00	864+00.		500.0	1000.0			1000	6	6
864+00	872+00.	RT	800.0		800.0	200	1600	10	10
872+00	879+50.		750.0			188	1500	9	9
879+50	887+00.	LT	750.0		750.0	188	1500	9	9
887+00	893+00.		600.0	1200.0			1200	8	8
893+00	905+00.	RT	1,200.0		1200.0	300	2400	15	15
905+00	907+50.		250.0			63	500	3	3
907+50	912+00.	LT	450.0		450.0	113	900	6	6
912+00	921+00.		900.0	1800.0			1800	11	11
921+00	931+00.	RT	1,000.0		1000.0	250	2000	13	13
931+00	946+00.	LT	1,500.0		1500.0	375	3000	19	19
946+00	947+15.		115.0	230.0			230	1	1
948+10	951+50.		340.0	680.0			680	4	4
951+50	966+00.	RT	1,450.0		1450.0	363	2900	18	18
966+00	972+50.	LT	650.0		650.0	163	1300	8	8
972+50	977+00.		450.0	900.0			900	6	6
977+00	993+00.	RT	1,600.0		1600.0	400	3200	20	20
993+00	998+00.	LT	500.0		500.0	125	1000	6	6
998+00	1013+50.		1,550.0	3100.0			3100	19	19
1013+50	1015+00.	RT	150.0		150.0	38	300	2	2
1015+00	1017+00.		200.0			50	400	3	3
1017+00	1028+00.	LT	1,100.0		1100.0	275	2200	14	14
1028+00	1035+00.		700.0	1400.0			1400	9	9
1035+00	1036+00.	RT	100.0		100.0	25	200	1	1
Total				10810.0	18550.0	5545.0	55170.0	344.8	344.8
Use				10810	18550	5545	55170	345	345

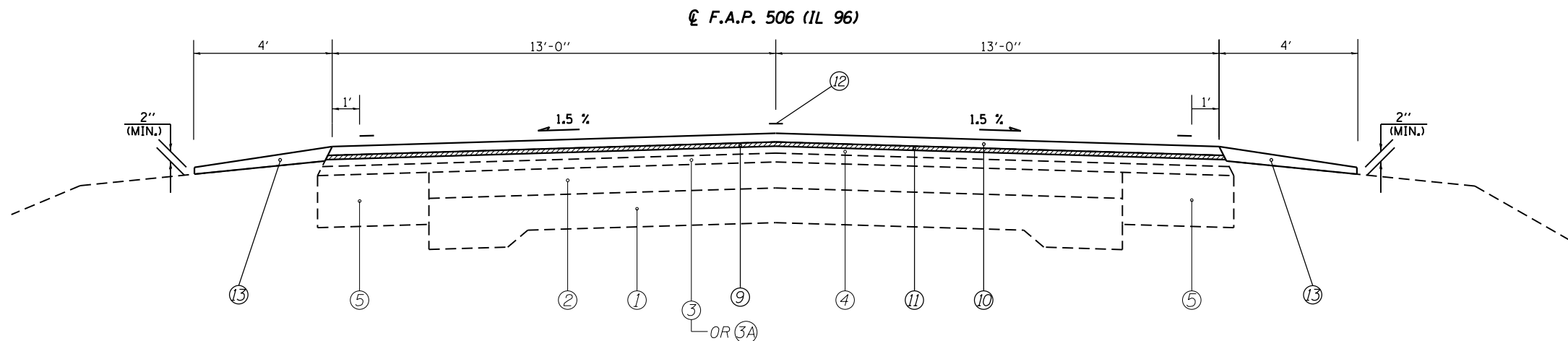
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 5 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2,(125)RS-3	HANCOCK	19	5
			72602	
ILLINOIS FED. AID PROJECT				



STA 759+20 TO STA 801+45  
 STA 806+54 TO STA 870+72  
 STA 873+00 TO STA 1030+41

LIMITS FOR (3A)  
 STA 757+00 TO 765+00  
 STA 820+00 TO 855+00

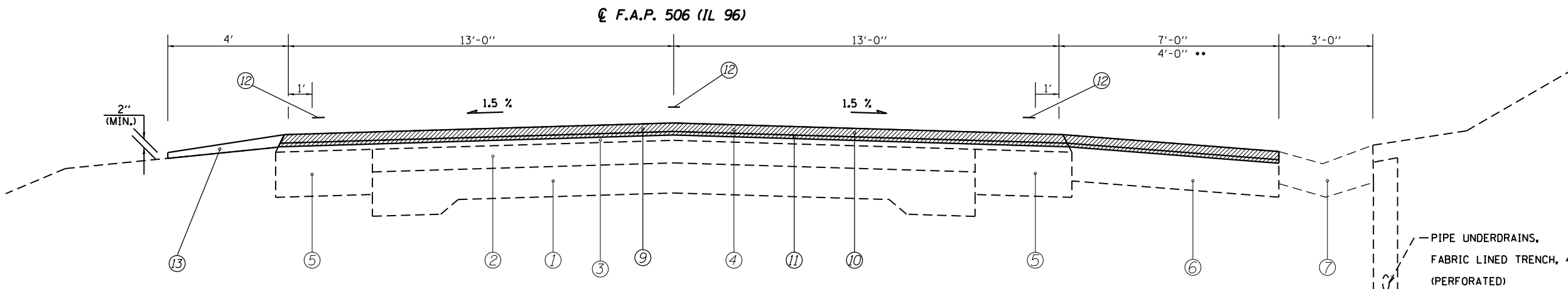
STA EQU: 773+28.93(BK) = 773+37+00(AH)  
 STA EQU: 930+11.66(BK) = 930+20.00(AH)

**EXISTING LEGEND**

- ① EXISTING CONCRETE PAVEMENT, 9"-6"-9"
- ② EXISTING BITUMINOUS OVERLAY (SEE TABLE 1)
- ③ EXISTING LEVELING BINDER (MACHINE METHOD), MIXTURE 'C', 1"
- ③A EXISTING LEVELING BINDER (MACHINE METHOD), MIXTURE 'C', 2"
- ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE 'D' (1 1/2")
- ⑤ EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING 9"
- ⑥ EXISTING BITUMINOUS SHOULDERS, 8"
- ⑦ EXISTING CONCRETE GUTTER, TYPE A
- ⑧ EXISTING AGGREGATE SHOULDERS

**PROPOSED LEGEND**

- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 1 1/2"
- ⑪ PROPOSED LEVELING BINDER (MACHINE METHOD), N50, 3/4"
- ⑫ PROPOSED PAVEMENT MARKING LINE - 5"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROPOSED HMA SHOULDERS, 6 1/2"
- ⑮ PROPOSED EXCAVATING & GRADING SHOULDERS

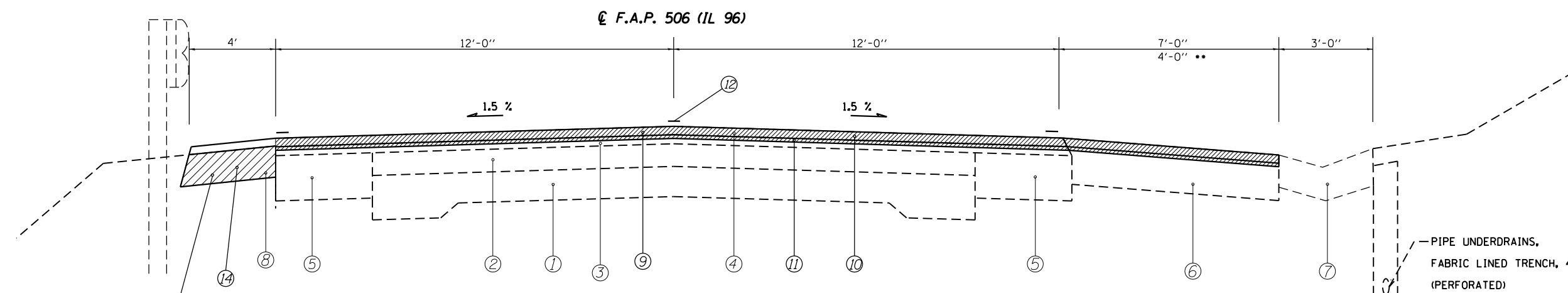


STA 801+45 TO STA 806+54 RT \*\*  
 STA 870+80 TO STA 872+78 RT  
 STA 1030+41 TO STA 1031+78 LT

2 1/4" MILLING THROUGH GUTTER SECTIONS

PIPE UNDERDRAINS,  
 FABRIC LINED TRENCH, 4"  
 (PERFORATED)

TABLE 1	
EXISTING BITUMINOUS CONCRETE OVERLAY	
STA TO STA	THICKNESS
743+50 - 861+00	2.5"
861+00 - 914+00	2.5" TO 3"
914+00 - 918+00	3" TO 4"
918+00 - 1014+00	4" TO 5"
1014+00 - 1020+00	5" TO 6"
1020+00 - 1033+00	6" TO 5"
1030+00 - 1037+00	5" TO 2.5"
1037+00 - 1041+00	2.5"



STA 1031+78 TO 1032+81 RT  
 2 1/4" MILLING THROUGH GUTTER SECTIONS

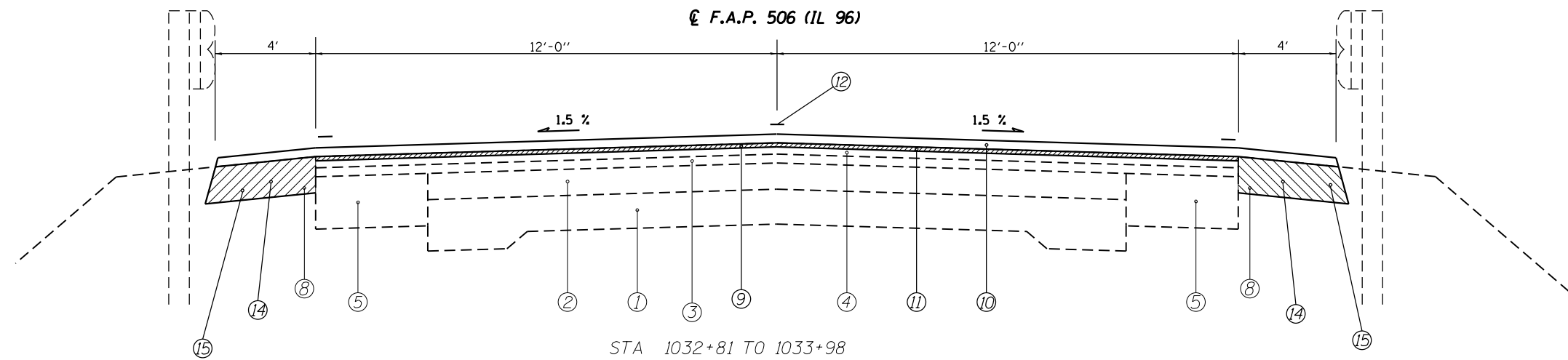
PIPE UNDERDRAINS,  
 FABRIC LINED TRENCH, 4"  
 (PERFORATED)

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 6	OF 19 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2,(125)RS-3	HANCOCK	19	6
				72G02
ILLINOIS FED. AID PROJECT				



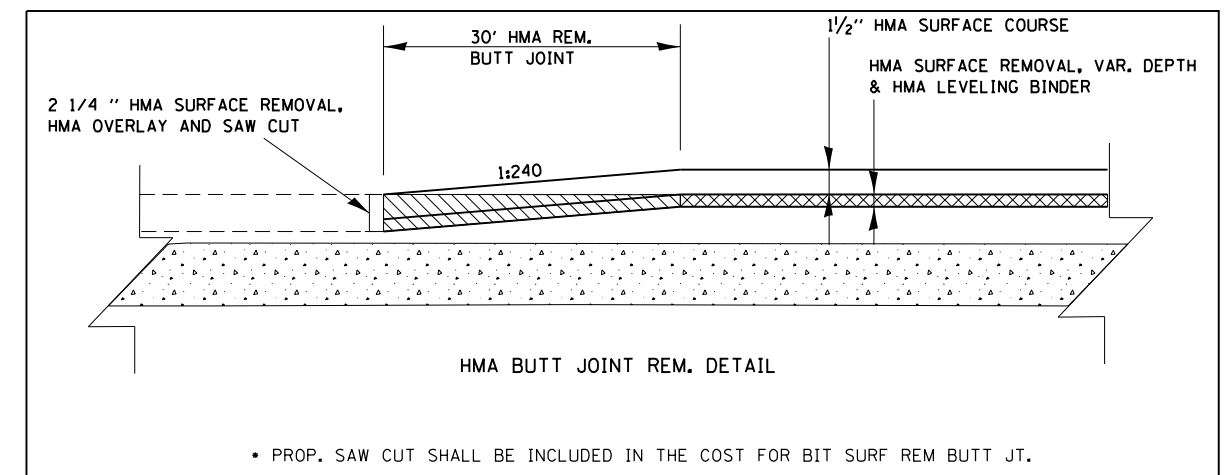
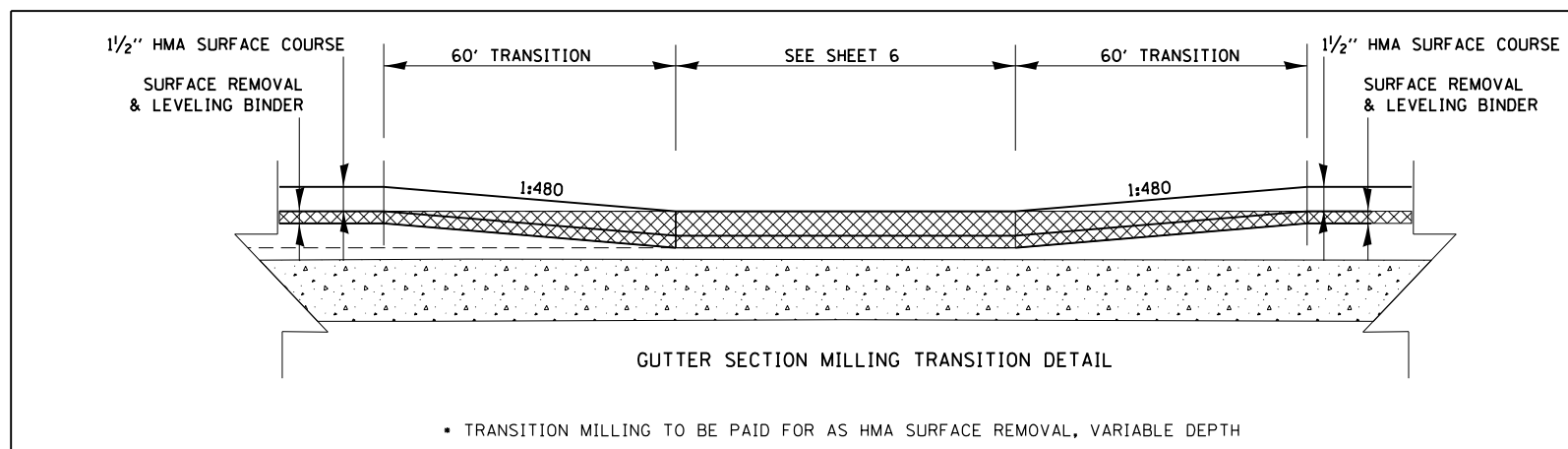
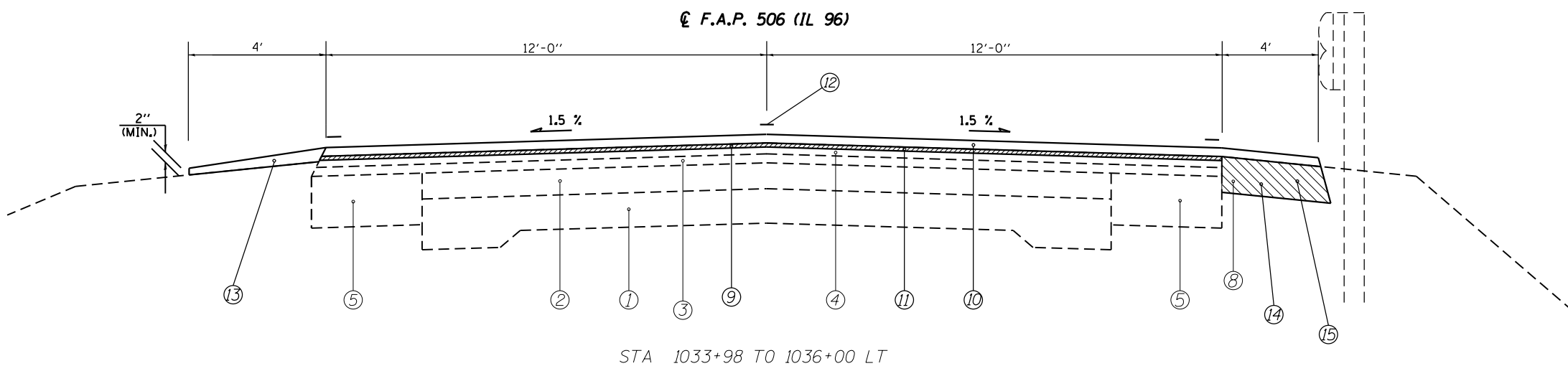
**EXISTING LEGEND**

- ① EXISTING CONCRETE PAVEMENT, 9"-6"-9"
- ② EXISTING BITUMINOUS OVERLAY (SEE TABLE 1)
- ③ EXISTING LEVELING BINDER (MACHINE METHOD), MIXTURE 'C', 1"
- ③A EXISTING LEVELING BINDER (MACHINE METHOD), MIXTURE 'C', 2"
- ④ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE 'D' (1 1/2")
- ⑤ EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING 9"
- ⑥ EXISTING BITUMINOUS SHOULDERS, 8"
- ⑦ EXISTING CONCRETE GUTTER, TYPE A
- ⑧ EXISTING AGGREGATE SHOULDERS

**PROPOSED LEGEND**

- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 1 1/2"
- ⑪ PROPOSED LEVELING BINDER (MACHINE METHOD), N50, 3/4"
- ⑫ PROPOSED PAVEMENT MARKING LINE - 5"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROPOSED HMA SHOULDERS, 6 1/2"
- ⑮ PROPOSED EXCAVATING & GRADING SHOULDERS

TABLE 1	
EXISTING BITUMINOUS CONCRETE OVERLAY	
STA TO STA	THICKNESS
743+50 - 861+00	2.5"
861+00 - 914+00	2.5" TO 3"
914+00 - 918+00	3" TO 4"
918+00 - 1014+00	4" TO 5"
1014+00 - 1020+00	5" TO 6"
1020+00 - 1033+00	6" TO 5"
1030+00 - 1037+00	5" TO 2.5"
1037+00 - 1041+00	2.5"



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>			
SCALE:	SHEET 7	OF 19 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2,(125)RS-3	HANCOCK	19	7
				72G02
ILLINOIS FED. AID PROJECT				

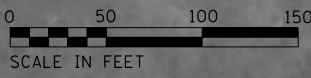


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Default	ci:\pw\work\p\idot\sparksgw\0333796\067602-plans.dgn	DRAWN -	REVISED -					506	(124)RS-2,(125)RS-3	HANCOCK	19	8
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:		SHEET 8	OF 19 SHEETS	STA.	TO STA.	CONTRACT NO. 72G02	
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Default	ei:\pw\work\p\idot\sparksgw\0333796\067602-plans.dgn	DRAWN -	REVISED -					506	(124)RS-2,(125)RS-3	HANCOCK	19	9
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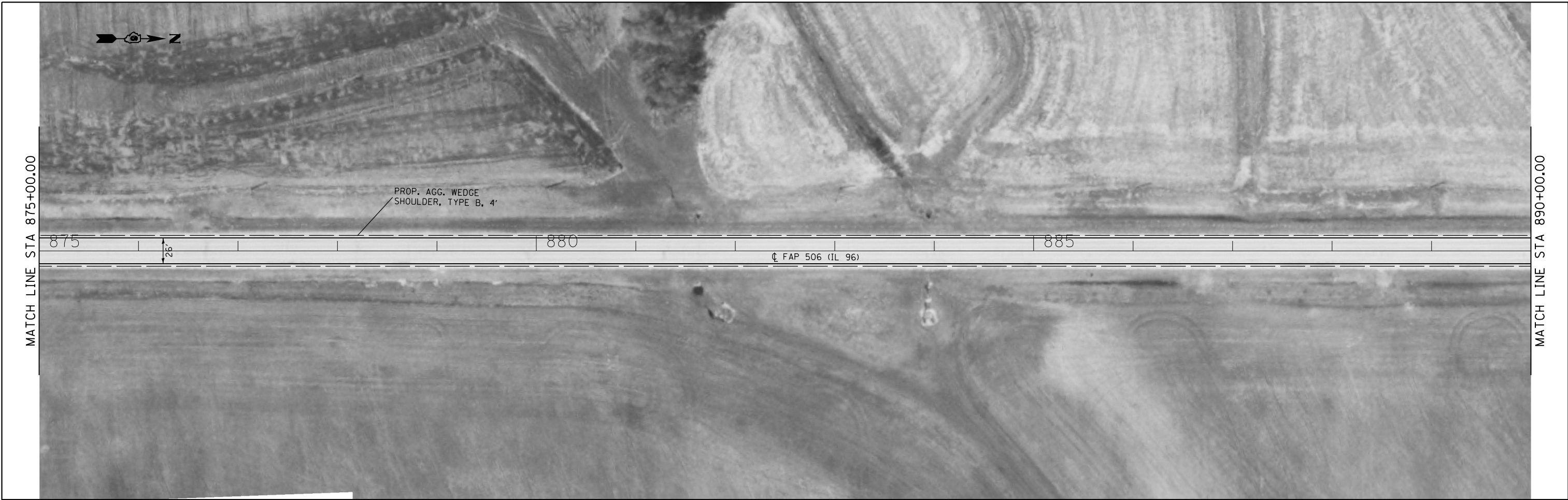
SCALE: SHEET 9 OF 19 SHEETS STA. TO STA.



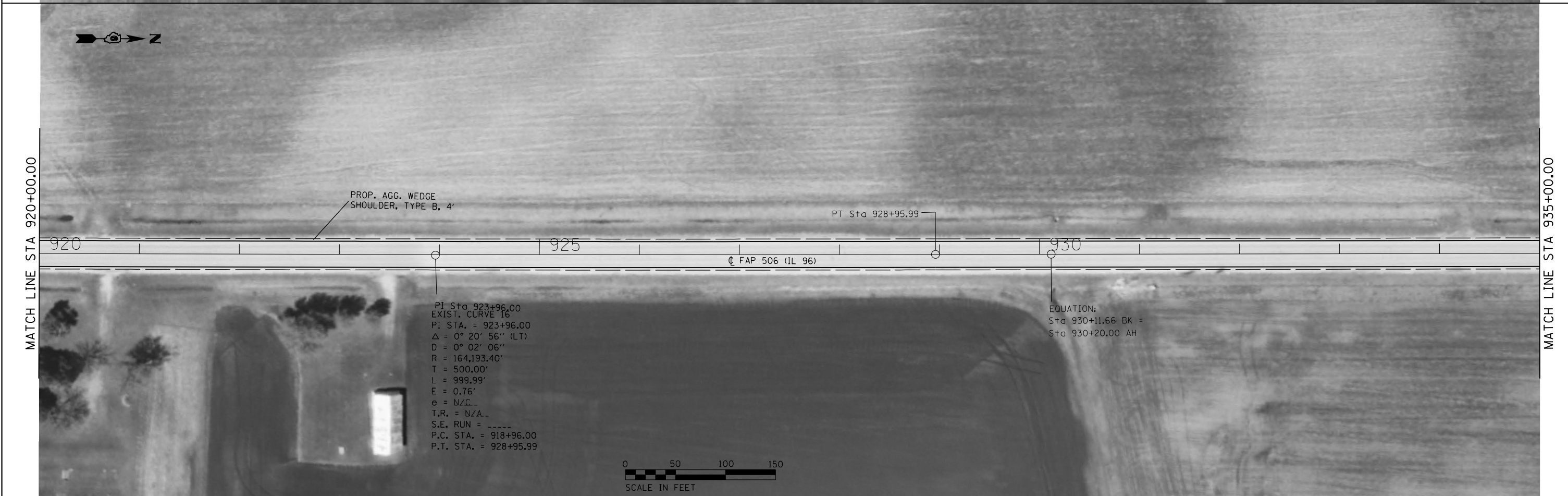
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											CONTRACT NO. 72G02		ILLINOIS FED. AID PROJECT		



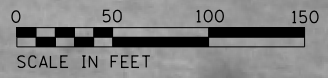
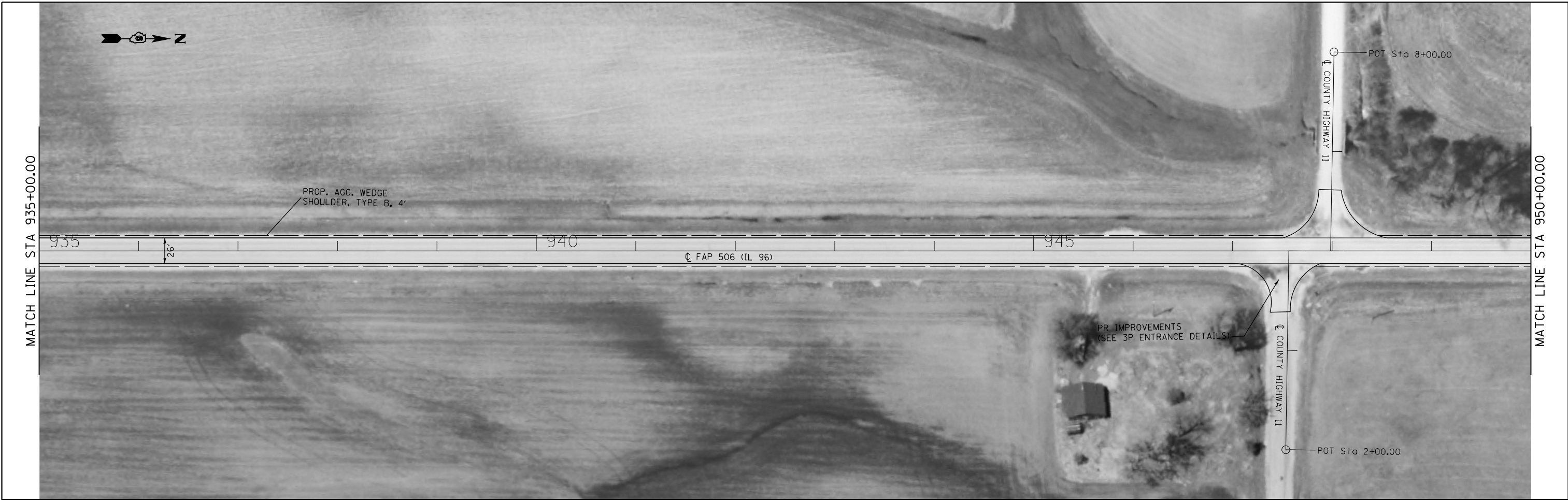
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											ILLINOIS FED. AID PROJECT	



PI Sta 923+96.00  
 EXIST. CURVE 16  
 PI STA. = 923+96.00  
 $\Delta = 0^\circ 20' 56''$  (LT)  
 $D = 0^\circ 02' 06''$   
 $R = 164,193.40'$   
 $T = 500.00'$   
 $L = 999.99'$   
 $E = 0.76'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 918+96.00$   
 $P.T. STA. = 928+95.99$

EQUATION:  
 $Sta\ 930+11.66\ BK =$   
 $Sta\ 930+20.00\ AH$

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 96 PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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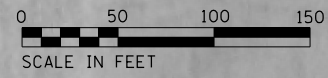
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 96 PLAN SHEET**

SCALE: SHEET 14 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2,(125)RS-3	HANCOCK	19	14
CONTRACT NO. 72G02			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

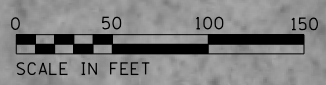
**IL 96 PLAN SHEET**

SCALE: SHEET 15 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2,(125)RS-3	HANCOCK	19	15
CONTRACT NO. 72G02			ILLINOIS FED. AID PROJECT	



EXIST. CURVE 17  
 PI STA. = 994+90.48  
 $\Delta = 0^\circ 05' 39''$  (RT)  
 $D = 0^\circ 00' 34''$   
 $R = 608.199.74'$   
 $T = 500.00'$   
 $L = 1,000.00'$   
 $E = 0.21'$   
 $e = N/C$   
 $T.R. = N/A$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 989+90.48$   
 $P.T. STA. = 999+90.48$



FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 96 PLAN SHEET**

SCALE: SHEET 16 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2,(125)RS-3	HANCOCK	19	16
CONTRACT NO. 72G02			ILLINOIS FED. AID PROJECT	





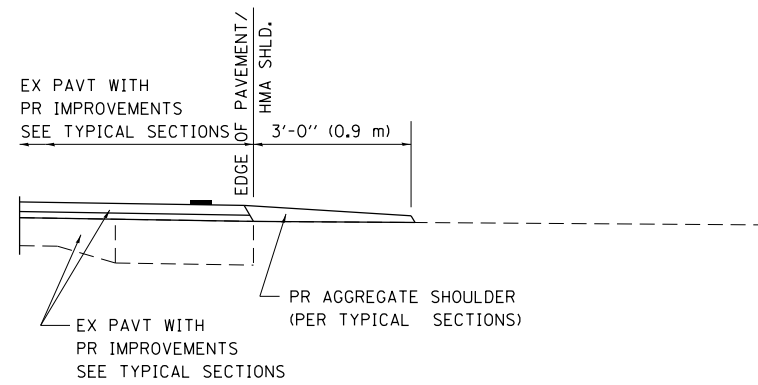
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

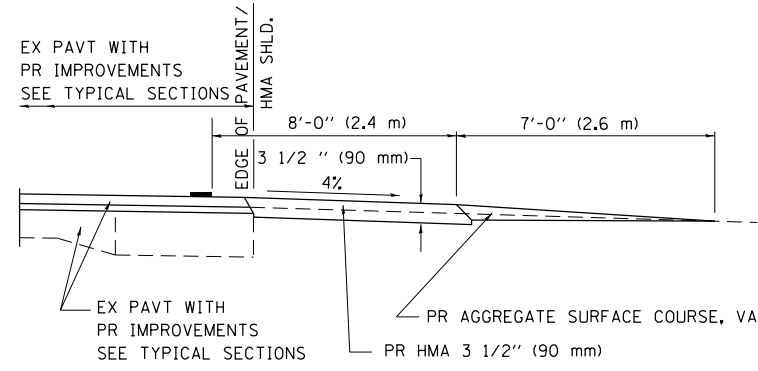
**IL 96 PLAN SHEET**

SCALE: SHEET 17 OF 19 SHEETS STA. TO STA.

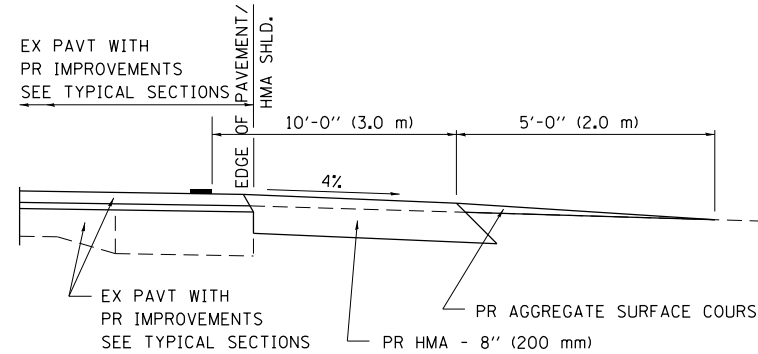
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CONTRACT NO. 72G02			ILLINOIS FED. AID PROJECT	



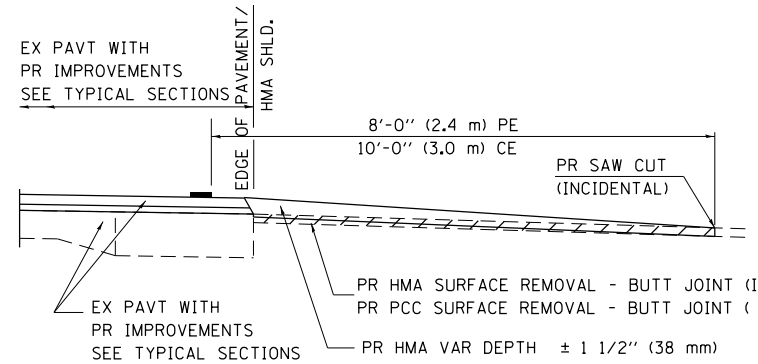
**SECTION A-A FOR EX EARTH/AGGREGATE FE**



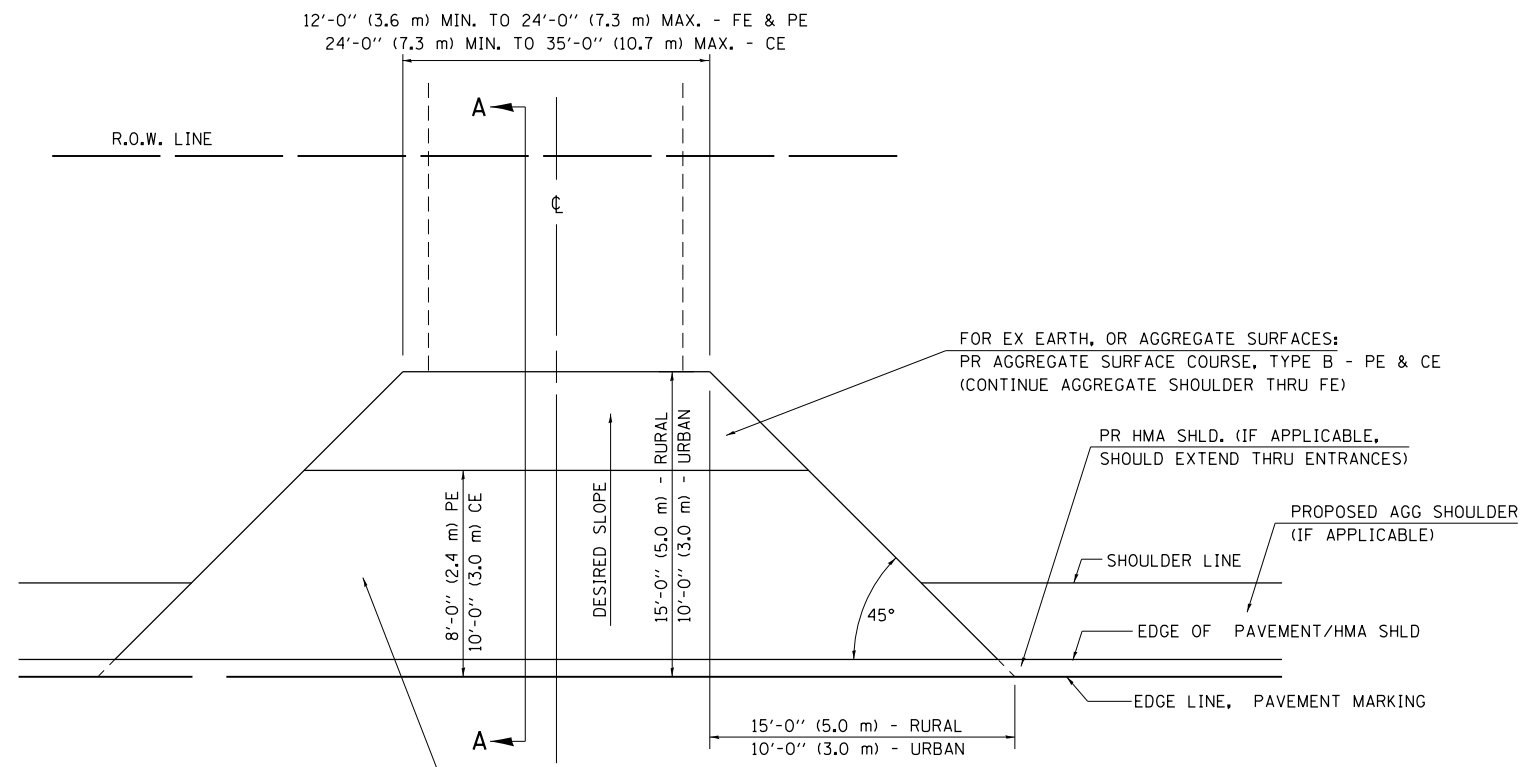
**SECTION A-A FOR EX EARTH/AGGREGATE PE**



**SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD**



**SECTION A-A FOR EX HMA/PC CONCRETE PE, CE & SIDE ROAD**



FOR EX EARTH OR AGGREGATE SURFACES:  
 PR HMA SURFACE REMOVAL (IF APPLICABLE)  
 PR AGGREGATE SHOULDER THRU - FE  
 PR HMA CONCRETE 3 1/2" (90 mm) - PE  
 PR HMA CONCRETE 8" (200 mm) - CE

FOR EX HMA CONCRETE SURFACES:  
 PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:  
 PR PCC SURFACE REMOVAL-BUTT JOINT

**GENERAL NOTES:**

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

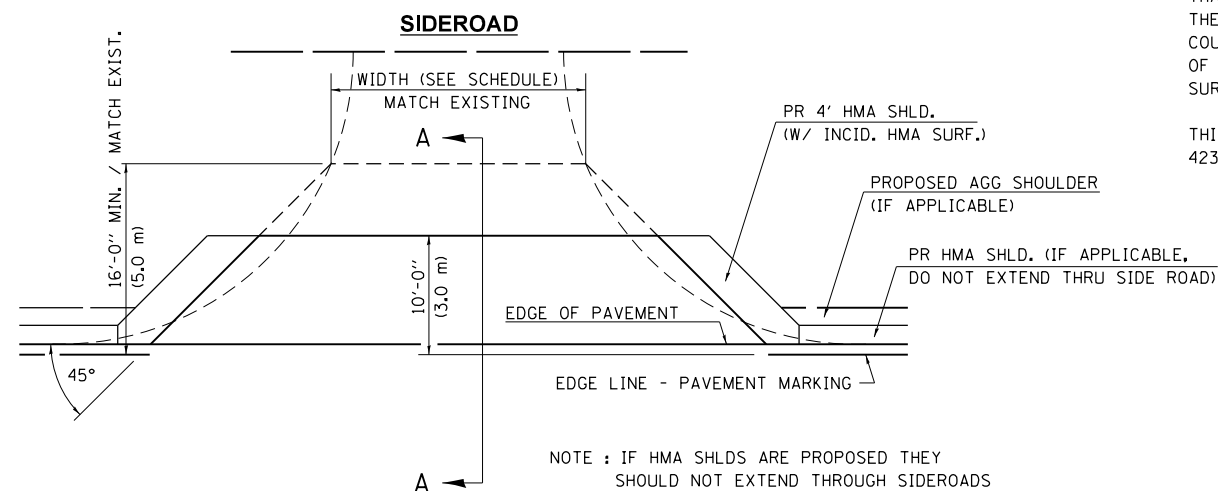
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES (75 mm) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES (50 mm) SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



NOTE: IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

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ENT PPP.DGN		CHECKED - JCN	REVISED -
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	PLOT DATE = Jun-13-2014 01:54:05PM		

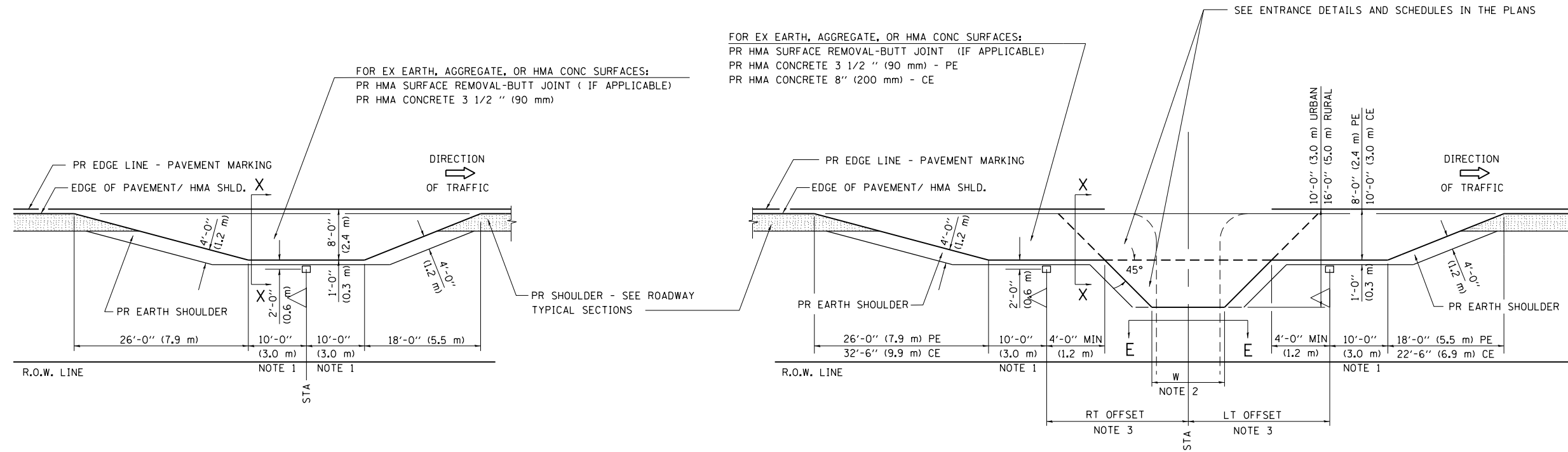
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX  
 TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

SCALE: SHEET 18 OF 19 SHEETS STA. TO STA.

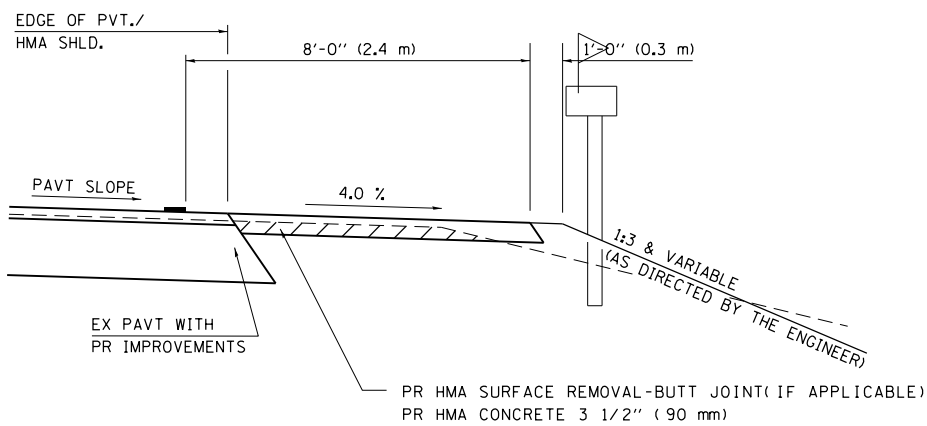
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2,(125)RS-3	HANCOCK	19	18
				72G02
ILLINOIS FED. AID PROJECT				

## DETAILS OF MAILBOX TURNOUTS



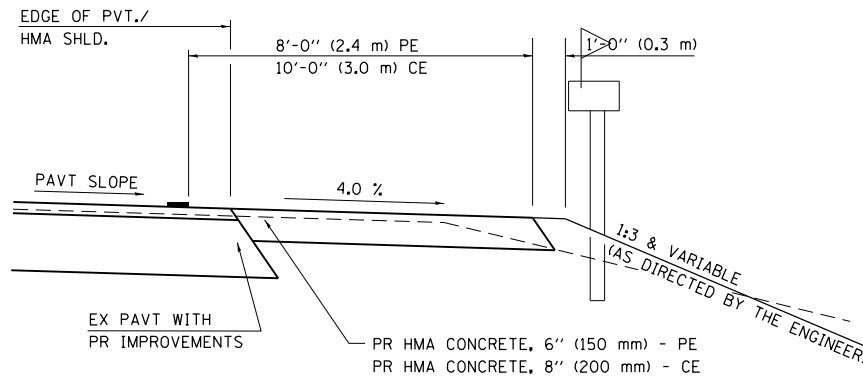
**PLAN - MAILBOX TURNOUTS**

**PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE**



**SECTION X-X THRU MAILBOX TURNOUT  
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH  
EX EARTH, AGGREGATE, OR HMA PE & FE**

( DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.  
IF EXISTING, TREAT SAME AS ENTRANCE. )



**SECTION X-X THRU MAILBOX TURNOUT  
COMBINED WITH EX HMA CONC & PC CONC PE & CE**

( DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.  
IF EXISTING, TREAT SAME AS ENTRANCE. )

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN INCHES ( MILLIMETERS )  
UNLESS OTHERWISE SHOWN.

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ENT PPP.DGN	PLOT SCALE = 40.0000 ' / in.	DRAWN - CADD	REVISED - 4/01/04 JCN
	PLOT DATE = Jun-13-2014 01:54:05PM	CHECKED - JCN	REVISED -
		DATE - FEBRUARY 23, 1999	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DIST.6 DETAILS FOR RURAL/URBAN ENT., MAILBOX  
TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

SCALE: SHEET 19 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(124)RS-2,(125)RS-3	HANCOCK	19	19
CONTRACT NO. 72G02				
ILLINOIS FED. AID PROJECT				