

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
618	(B)RS-4, (O-15D)RS-2	SANGAMON	32	1

ILLINOIS CONTRACT NO. 72D56
** + 1 = 33*

FOR INDEX OF SHEETS, SEE SHEET NO. 2

LIST OF STANDARDS

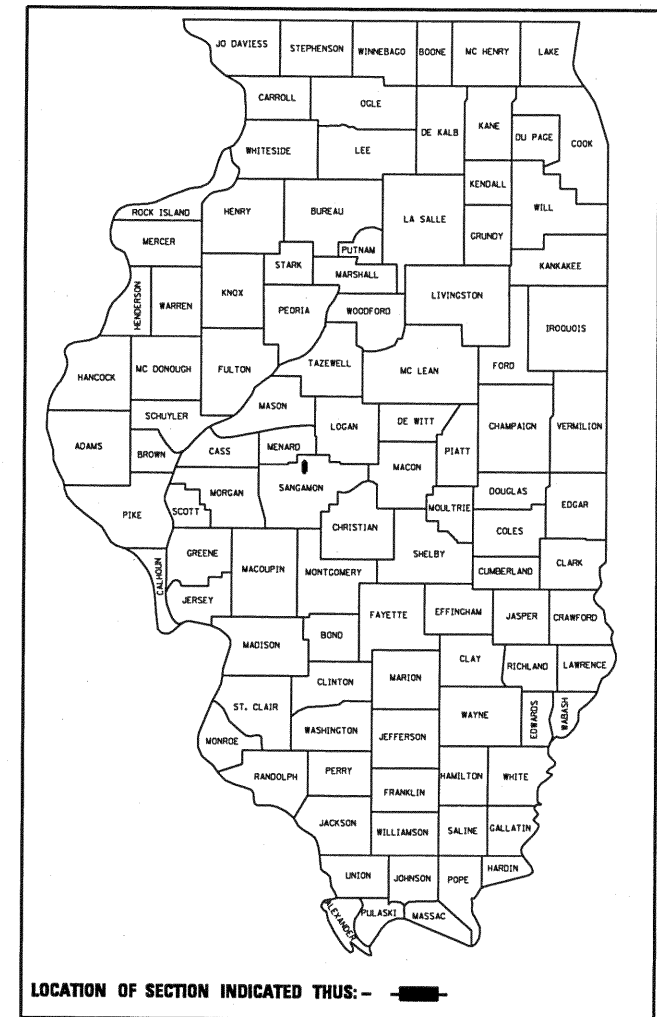
000001-06	701001-02	701311-03
001006	701006-03	701326-04
482011-03	701011-02	701422-03
630001-09		701901-01
635006-03	701301-04	780001-02
635001-01	701306-03	781001-03
		<i>701501-06</i>

PROPOSED HIGHWAY PLANS

FAS ROUTE 618 (IL 124/ANDREW RD)
SECTION (B)RS-4, (O-15D)RS-2

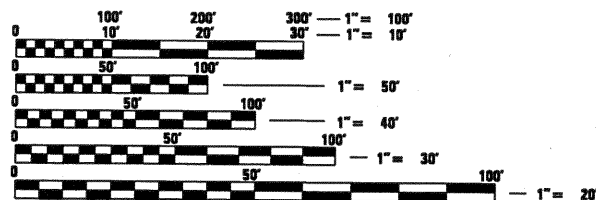
TYPE of IMPROVEMENT
SANGAMON COUNTY

C-96-187-10



	IL 124	ANDREW RD
ADT (2009) =	1,150	3,800
%MU + %SU =	8.0%	11.5%

IMPROVEMENT ALSO INCLUDES
 AREAS OF SHOULDER
 IMPROVEMENTS ON BL-155
 (SHERMAN RD)

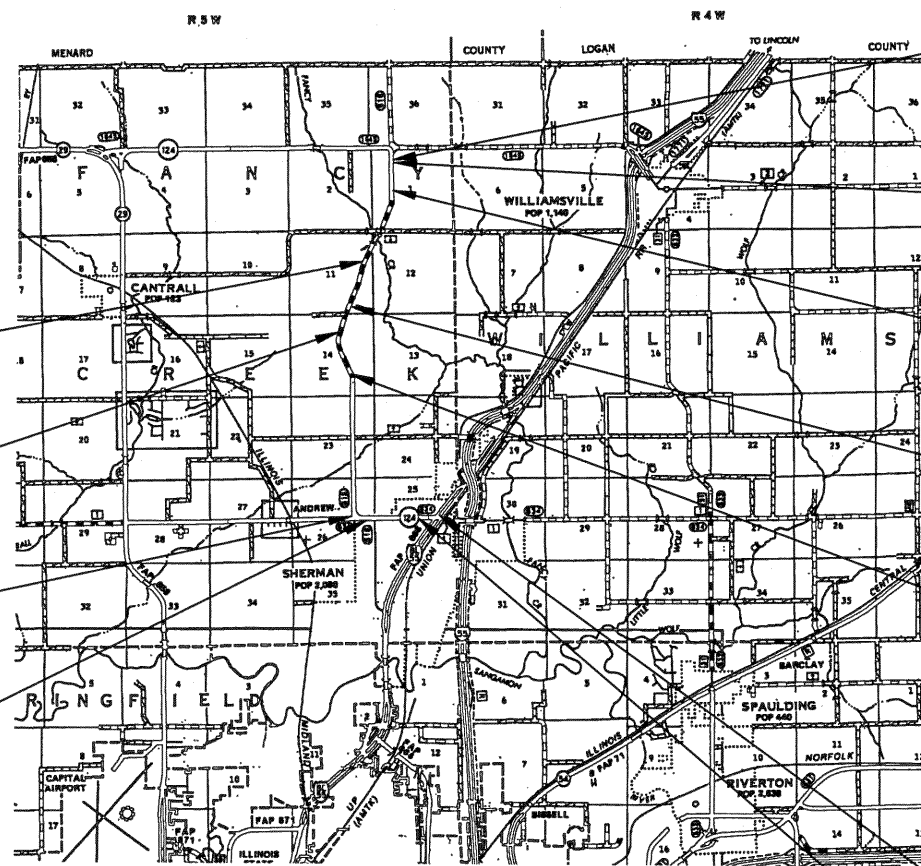


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER JOHN NEGANGARD 217-782-6990
 PROJECT MANAGER VINCE MADONIA 217-785-9046

CONTRACT NO. 72D56



STA EQN
 464 + 33.95 (BK) =
 465 + 00.00 (AH)

STA EQN
 395 + 85.96 (BK) =
 396 + 39.54 (AH)

STA EQN
 4 + 53.48 (BK) =
 276 + 34 (AH)

STA EQN
 1121 + 40.34 (BK) =
 1 + 00 (AH)

PROJECT ENDS
 STA 522 + 50

STA EQN
 519 + 92.37 (BK) =
 520 + 18.77 (AH)

STA EQN
 490 + 03.25 (BK) =
 490 + 12.92 (AH)

STA EQN
 420 + 32.31 (BK) =
 420 + 49.79 (AH)

STA EQN
 368 + 98.90 (BK) =
 368 + 99.12 (AH)

PROJECT BEGIN
 STA 1074 + 47

STA EQN
 1076 + 19.10 (BK) =
 1075 + 08.40 (AH)

GROSS AND NET LENGTH = 29,600' = 5.61 MI

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *October 22, 2010*
Roger J. Doherty
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 10, 2010
Scott E. Stitt, P.E., J.E.
 Acting ENGINEER OF DESIGN AND ENVIRONMENT

December 10, 2010
Christine M. Reed, J.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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Rev. 1-10-11

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 1 1/2 " 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)	0.00038 TON/SQ. YD. (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.

INDEX OF SHEETS

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28-29	DETAILS
 30-32A	ENTRANCE DETAILS/SCHEDULE

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	•••LEVEL BINDER (MACH METHOD)	•••HMA SURFACE COURSE	INCIDENTAL HMA SURFACE	HMA SHOULDERS
PG:	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS:	4.0% @ N 50	4.0% @ N50	4.0% @ N 50	2.0% @ N 30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 9.5 OR IL 12.5	IL 9.5 OR IL 12.5	BAM (OTHER)
FRICTION AGGREGATE:	N/A	MIX "C"	MIX "C"	N/A
20 YEAR ESAL	N/A	N/A	N/A	N/A

DISTRICT SIX	
EXAMINED <u>October 19</u>	20 <u>10</u>
<i>Phil Walker</i>	
OPERATIONS ENGINEER	
EXAMINED <u>October 21</u>	20 <u>10</u>
<i>Terry Fountain</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED <u>October 21</u>	20 <u>10</u>
<i>ARML</i>	
PROGRAM DEVELOPMENT ENGINEER	

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			TOTAL	URBAN ANDREW ROAD 100% State 0005	RURAL IL 124 100% State 0005	RURAL Shoulder 100% State 0021
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	566	78	488	
35800100	PREPARATION OF BASE	SQ YD	2,079	551	1,528	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	130	27	103	△
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	29.4	6.7	22.7	
40600300	AGGREGATE (PRIME COAT)	TON	147.8	28.3	119.5	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	3143.8	624	2519.8	
40600895	CONSTRUCTING TEST STRIP	EACH	1	0.5	0.5	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1065.3	704	361.3	△
40600990	TEMPORARY RAMP	SQ YD	40	26.7	13.3	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	8338.1	1475.4	6862.7	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	578	185	393	△
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	210.9	190	20.9	
44004250	PAVED SHOULDER REMOVAL	SQ YD	200		200	
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	24410.6			24410.6
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	535			535
*63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	75		75	
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	16		16	
63200310	GUARDRAIL REMOVAL	FOOT	1275		1275	
64200105	SHOULDER RUMBLE STRIPS	FOOT	48958		48958	

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*Specialty Items

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LOCATION (LT/RT) (STA)	TYPE OF ENTRANCE	EX MAT TYPE	EX WIDTH	WIDTH FOOT	AREA SQ YD	HMA 3-1/2" TON	VOLUME (AGG) CU YD	AGG SURF 2" TON	HMA VD TON	PREP BASE SQ YD	HMA BUTT JOINT SQ YD	DRVWY PAVMT REM. SQ YD
RT 1075+86.6	SIDEROAD	HMA	90	90	62.7		N/A		7.0		60.0	
LT 1076+30	PE	AGG	22	22	28.4	5.6	1.3	2.6		28.4		
LT 1076+90	PE	AGG	22	22	28.4	5.6	1.3	2.6		28.4		
LT 1077+ 20	CE	CONC	24	24	37.8		N/A					10.7
RT 1077+15	CE	CONC	18	24	37.8		N/A					8.0
RT 1078+75	CE	CONC	18	24	37.8		N/A					8.0
LT 1079+26.23	SIDEROAD	HMA	40	40	55.6		N/A		6.2		26.7	
RT 1079+48	CE	CONC	35	35	50.0		N/A					15.6
LT 1080+35	PE W/MB	AGG	18	18	53.3	10.5	1.1	2.2		53.3		
RT 1080+99	CE	CONC	34	34	48.9		N/A					15.1
LT 1081+30	PE W/MB	AGG	18	18	53.3	10.5	1.1	2.2		53.3		
LT 1082+25	PE W/MB	AGG	18	18	53.3	10.5	1.1	2.2		53.3		
LT 1083+00	PE W/MB	AGG	18	18	53.3	10.5	1.1	2.2		53.3		
RT 1083+89	CE	HMA	34	34	48.9		N/A		5.5		22.7	
LT 1084+25	PE W/MB	AGG	18	18	53.3	10.5	1.1	2.2		53.3		
LT 1084+80	PE W/MB	AGG	18	18	53.3	10.5	1.1	2.2		53.3		
LT 1085+50	PE W/MB	AGG	24	24	60.0	11.8	1.3	2.7		60.0		
RT 1087+15	SIDEROAD	HMA	73	73	92.2		N/A		10.3		48.7	
RT 1090+50	SIDEROAD	HMA	50	50	66.7		N/A		7.5		33.3	
LT 1092+00	PE W/MB	AGG	18	18	53.3	10.5	1.1	2.2		53.3		
LT 1095+37	SIDEROAD	HMA	45	45	61.1		N/A		6.8		30.0	
RT 1095+45	PE W/MB	BIT	24	24	60.0	8.9	N/A		6.7		16.0	
LT 1097+90	PE	CONC	24	24	37.8		N/A					10.7
RT 1099+25	CE ENTR	CONC	64	64	82.2		N/A					28.4
LT 1100+00	PE	CONC	24	24	37.8		N/A					10.7
RT 1100+37	ENTR	CONC	77	77	96.7		N/A					34.2
LT 1102+40	SIDEROAD	CONC	40	40	55.6		N/A					17.8
LT 1105+27	CE	CONC	50	35	50.0		N/A					22.2
LT 1107+16	CE	CONC	18	24	37.8		N/A					8.0
RT 1111+60	PE W/MB	AGG	75	24	60.0	11.8	1.3	2.7		60.0		
LT 1111+75.6	SIDEROAD	HMA	130	130	155.6		N/A		17.4		86.7	
Total					1762.9	116.7	26.1	67.5	550.2	324.0	189.3	

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